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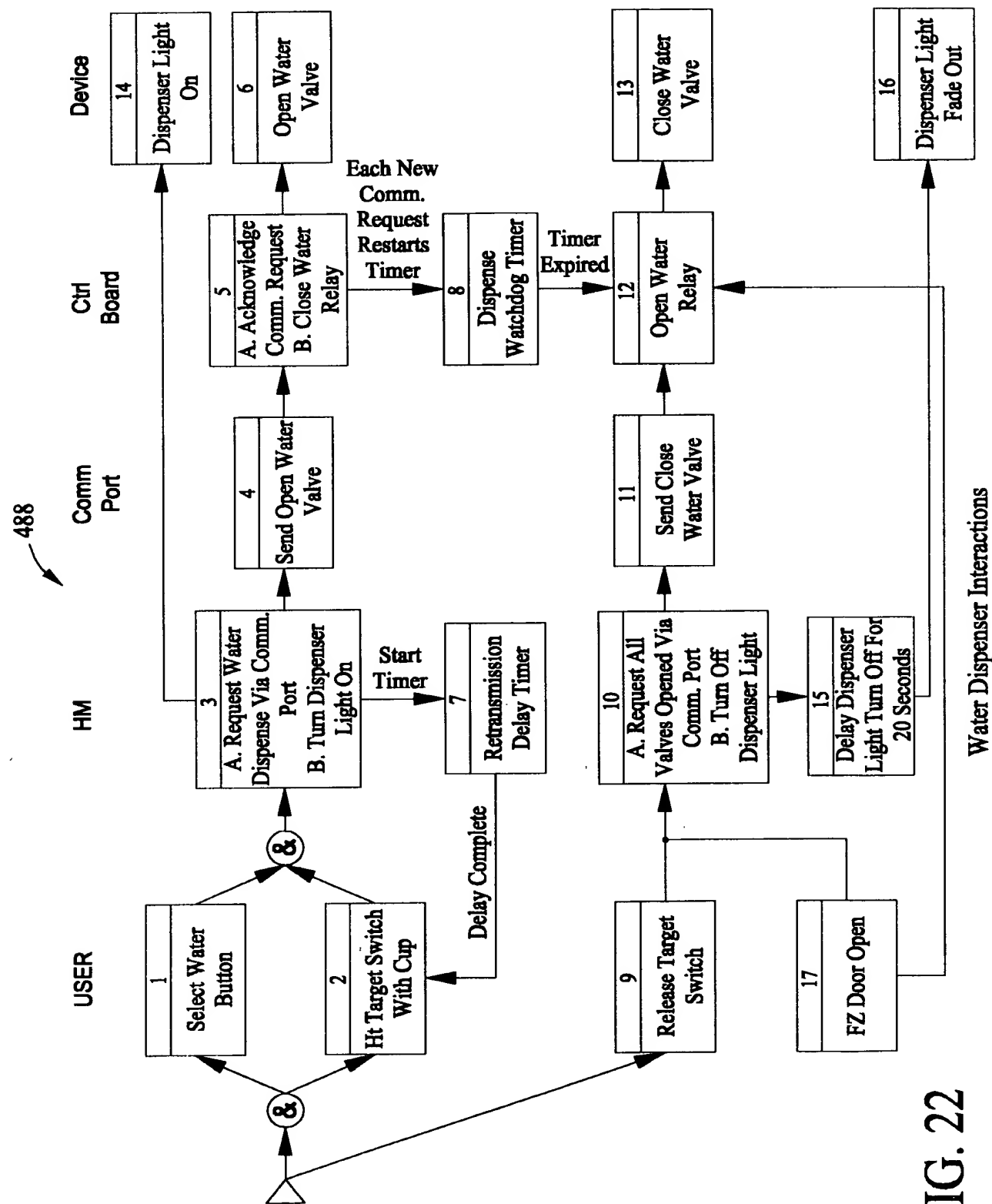


FIG. 22

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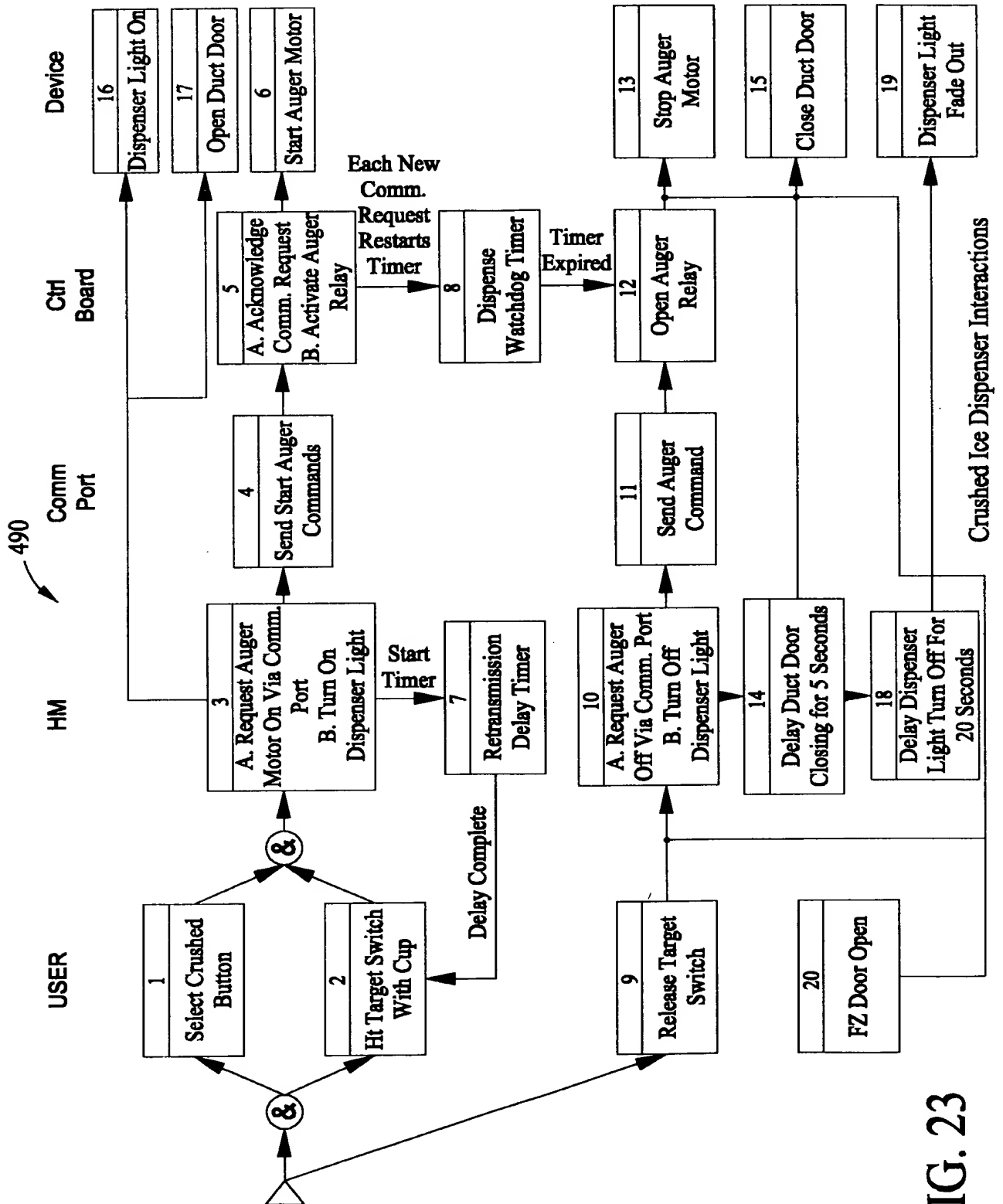
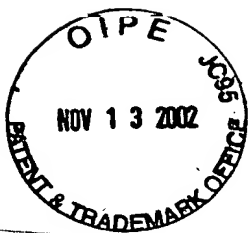


FIG. 23



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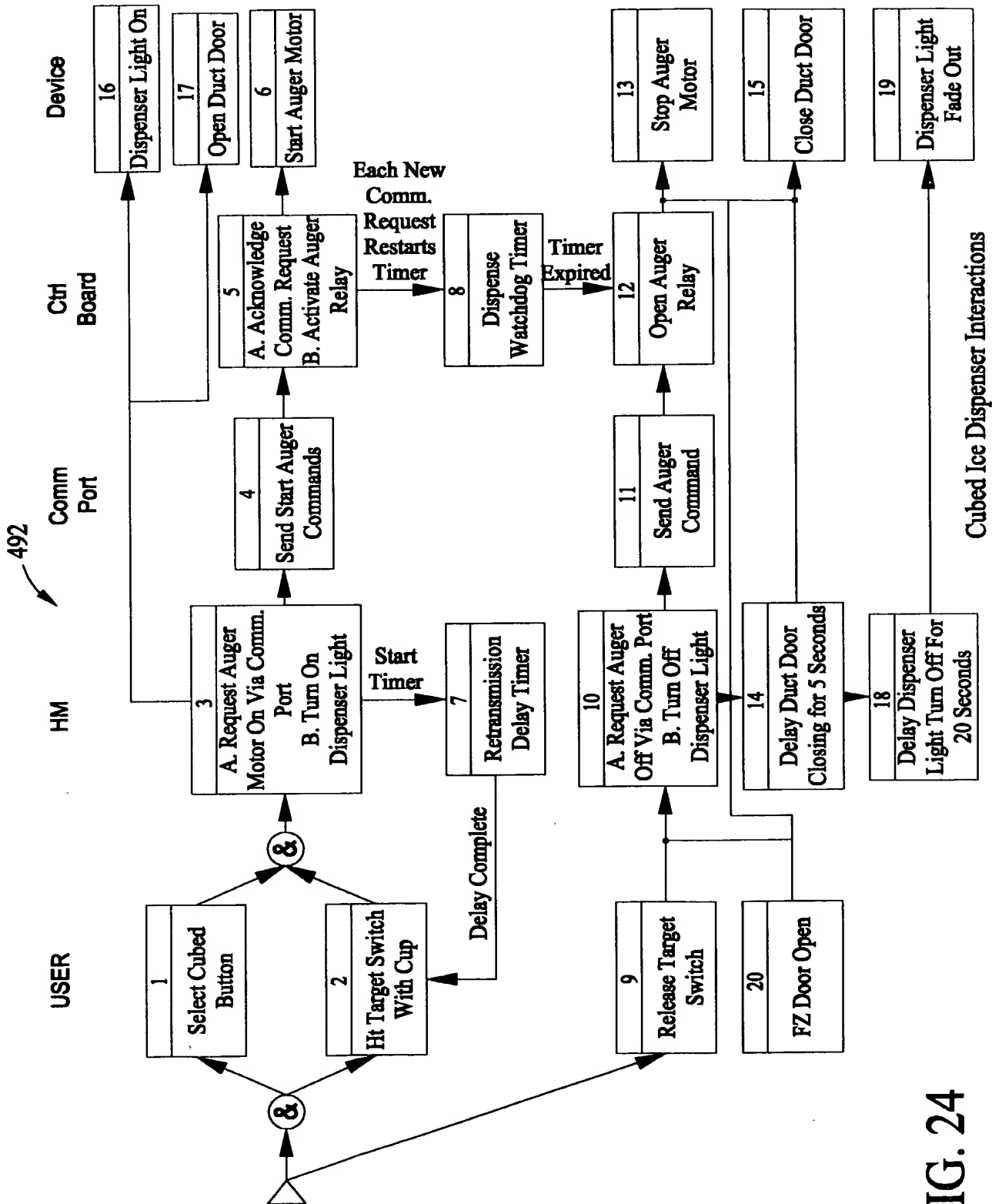
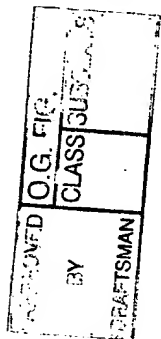
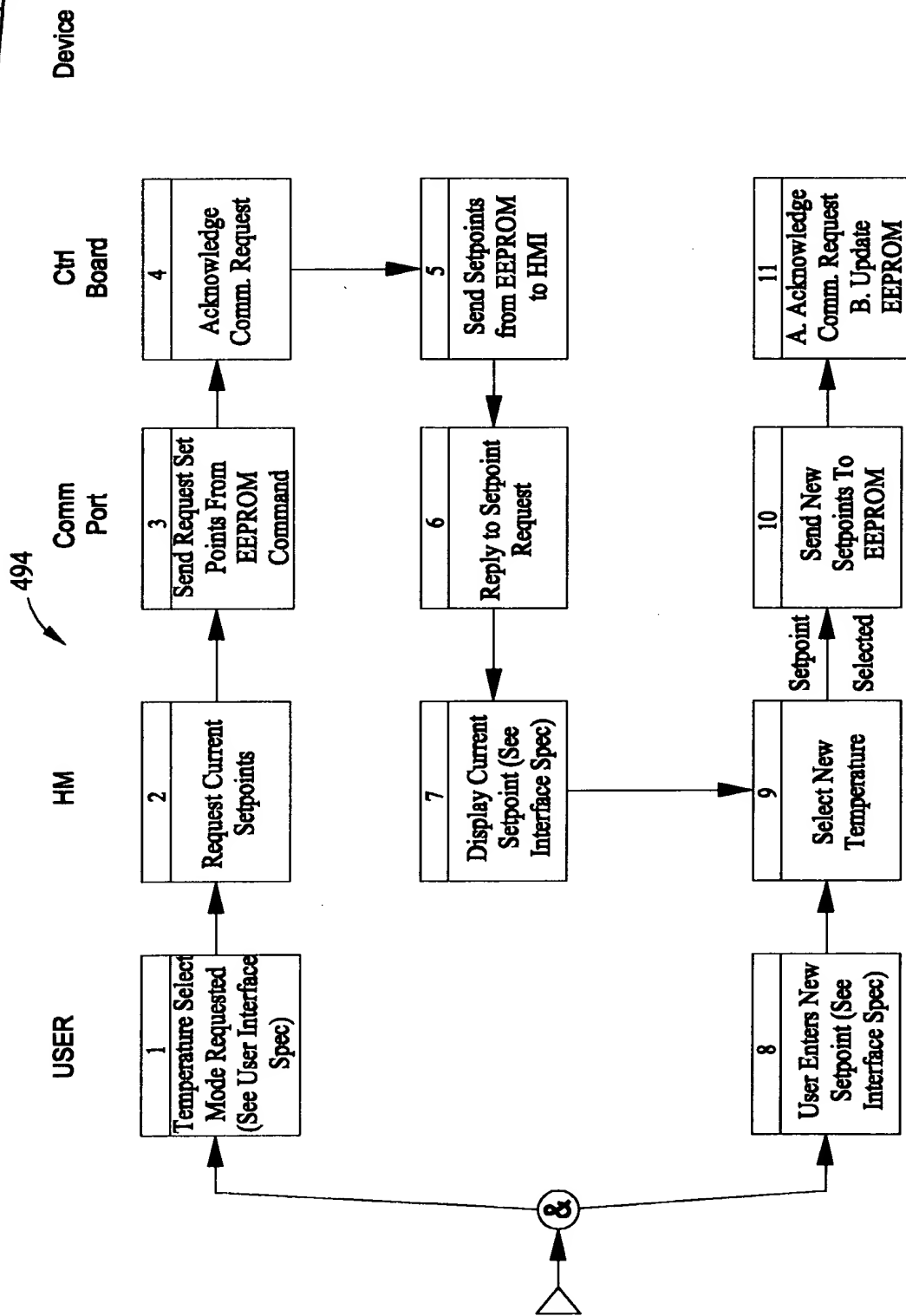


FIG. 24



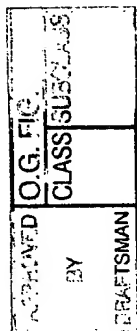
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NOTE: Setpoint Selected implies that the final selection has been made and that the selection has timed out.

FIG. 25

Temperature Setting Interaction Diagrams



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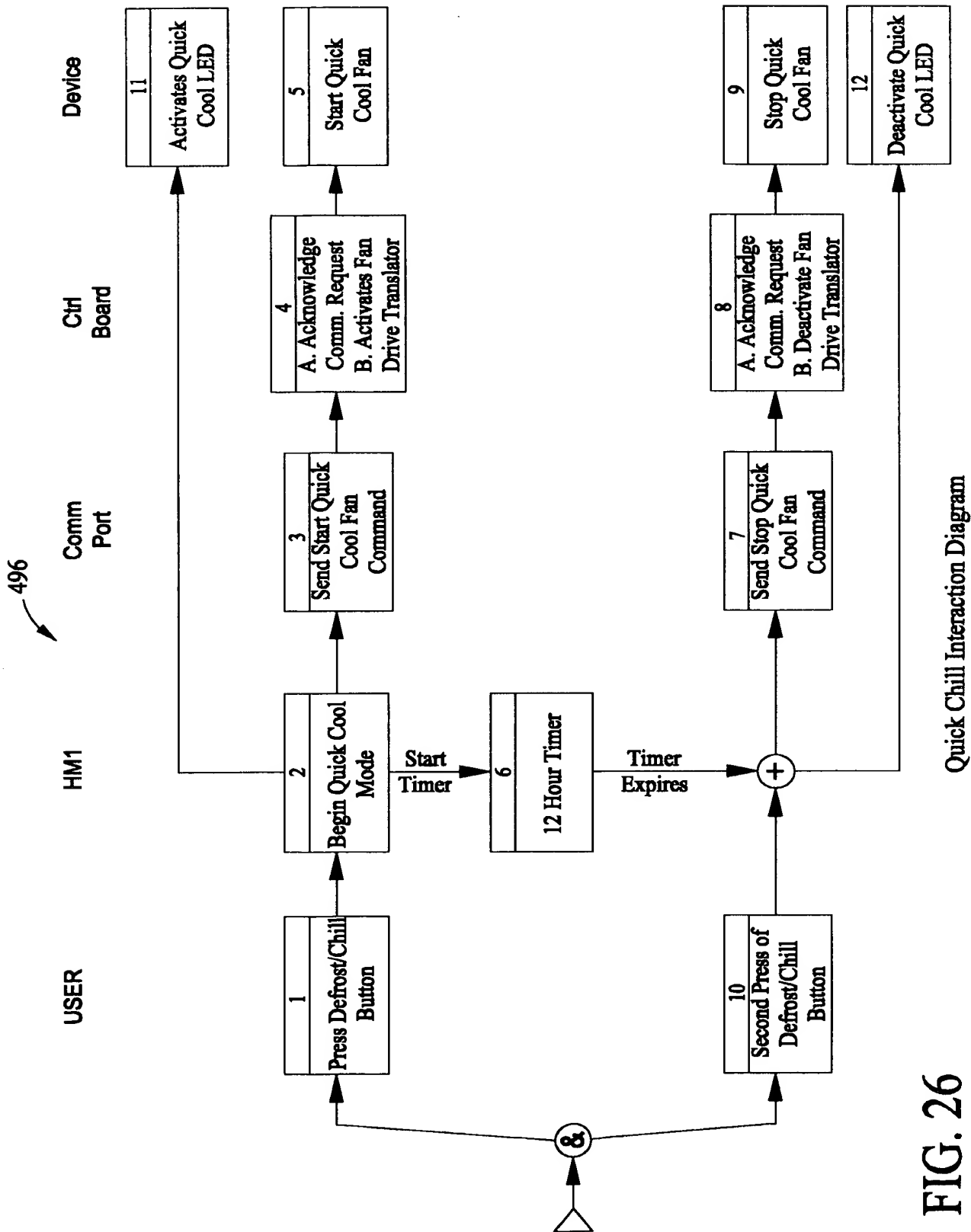
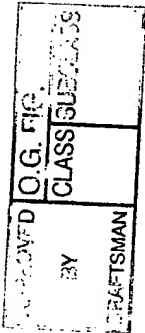


FIG. 26



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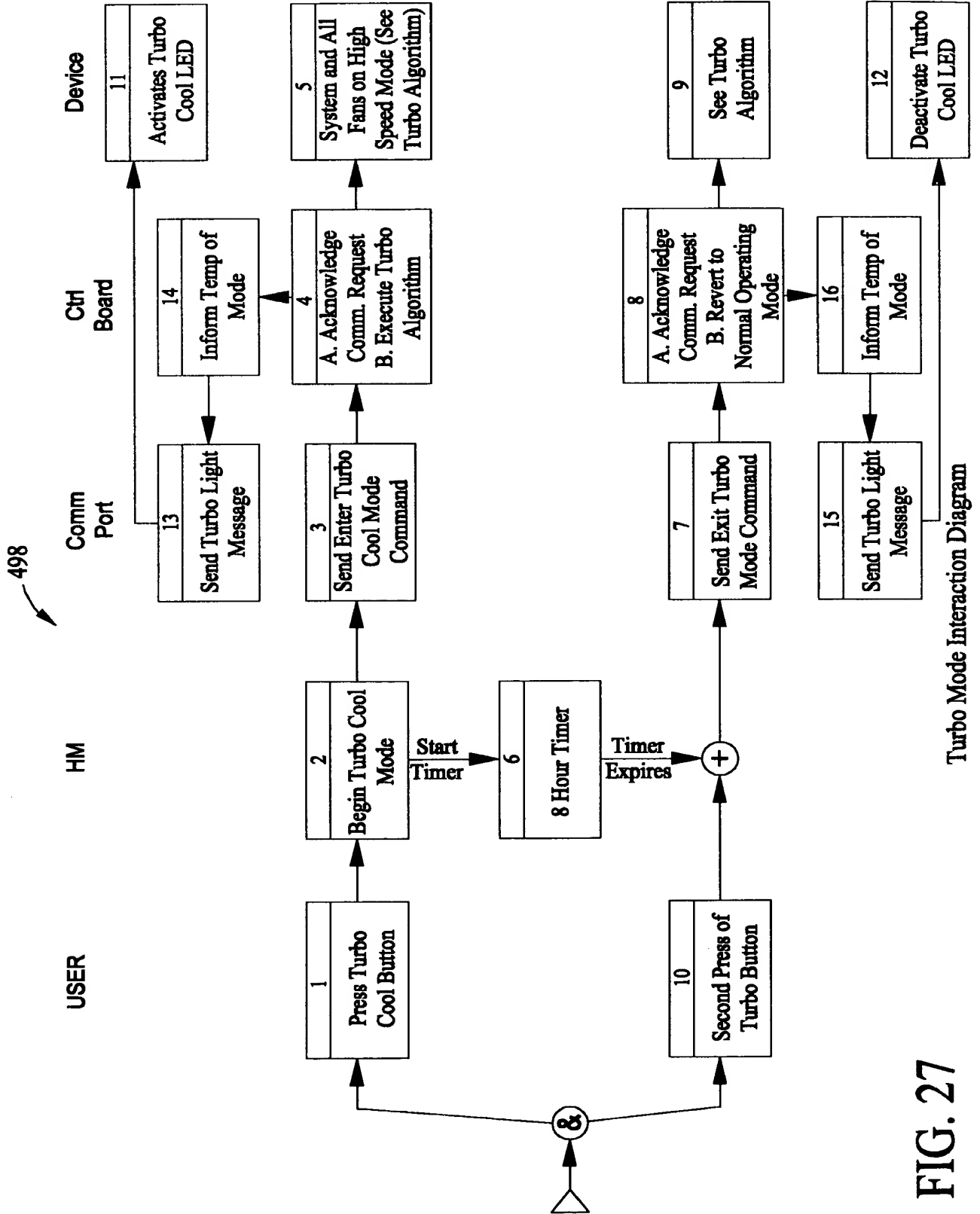
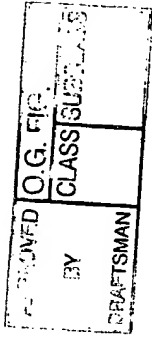


FIG. 27



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500

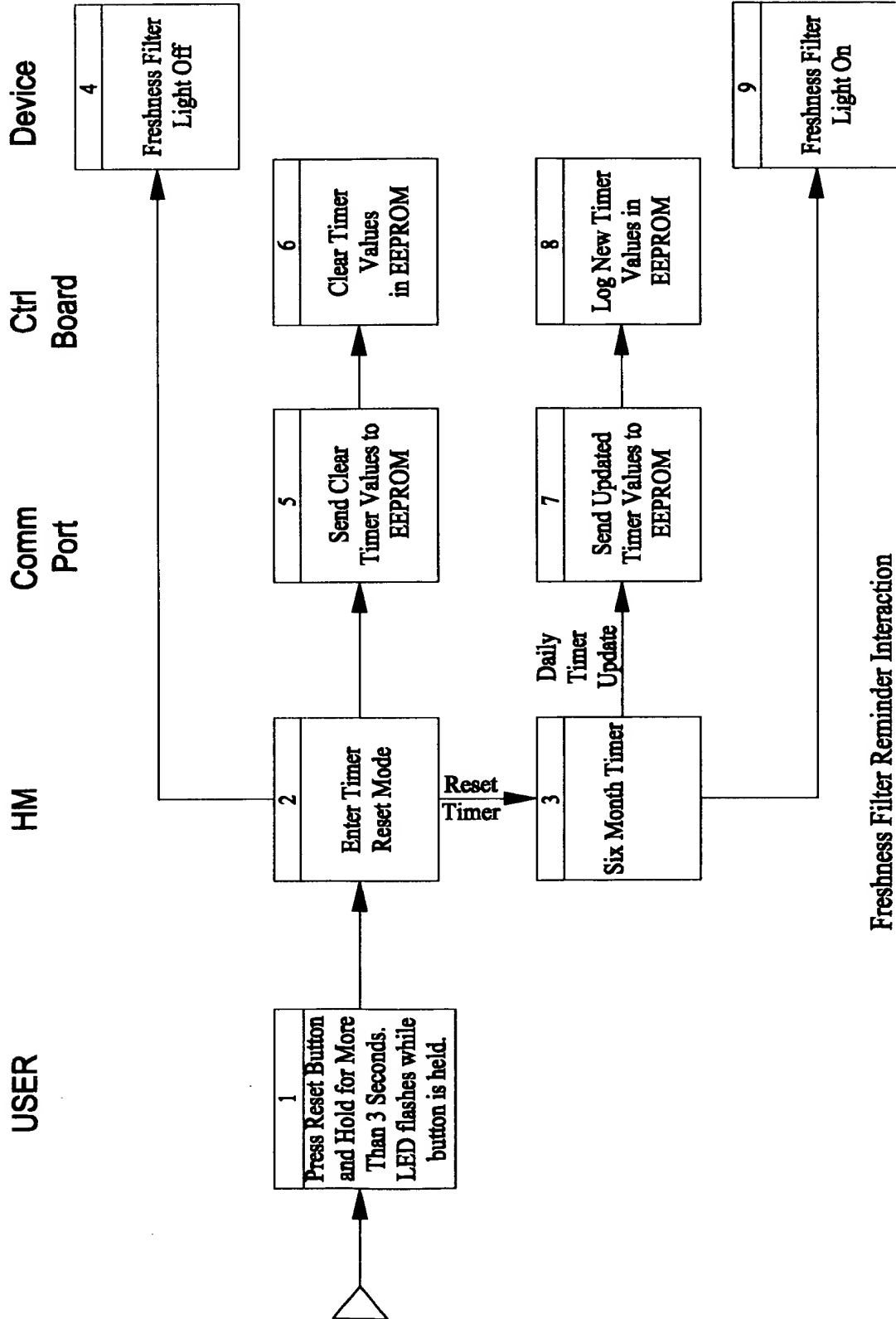
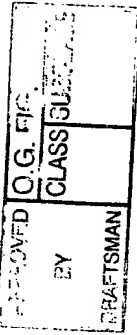
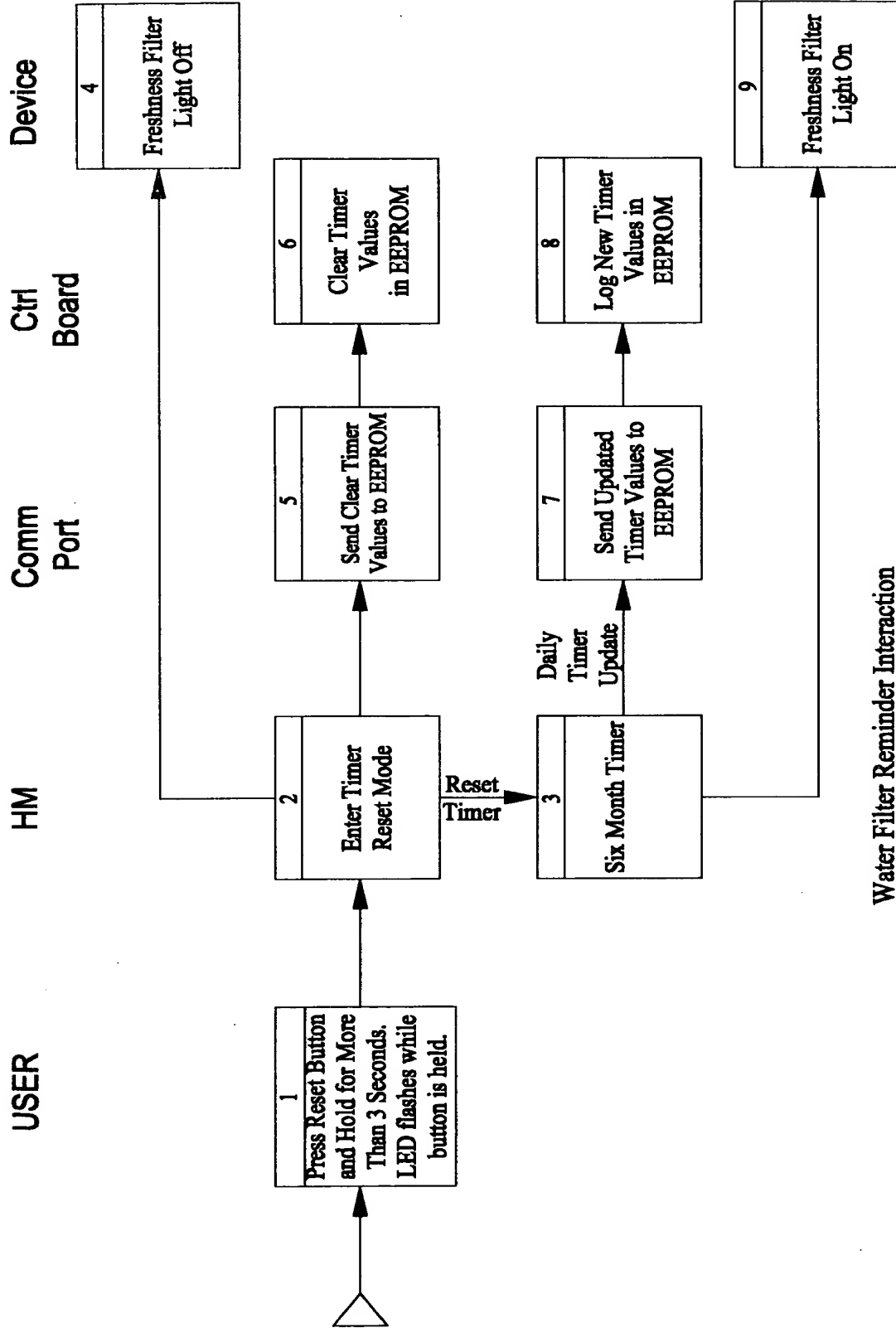


FIG. 28



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502



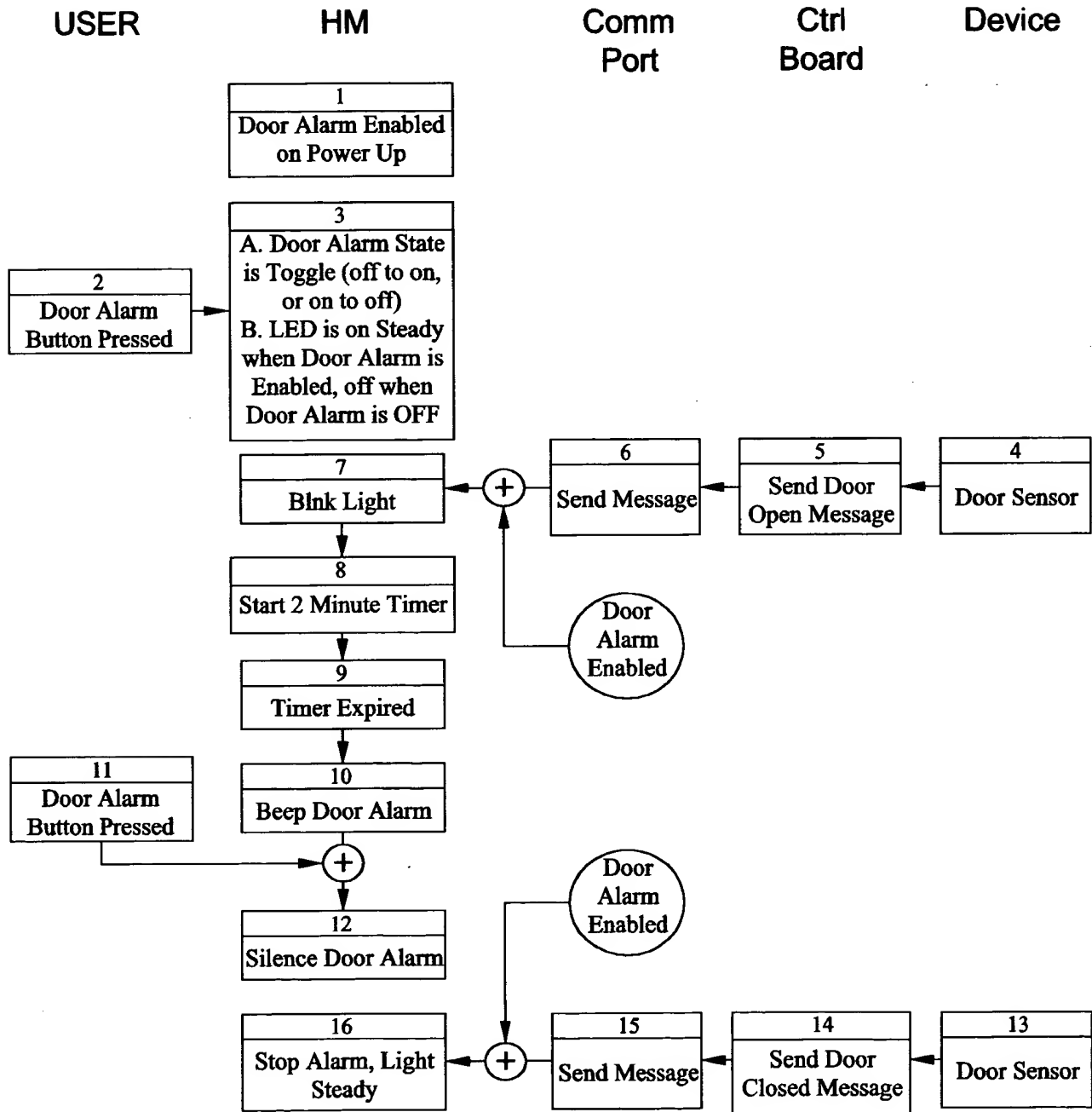
Water Filter Reminder Interaction

FIG. 29

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 O.G. FIG. CLASS SUBCLASS

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504



Door Open Interaction Diagram

FIG. 30



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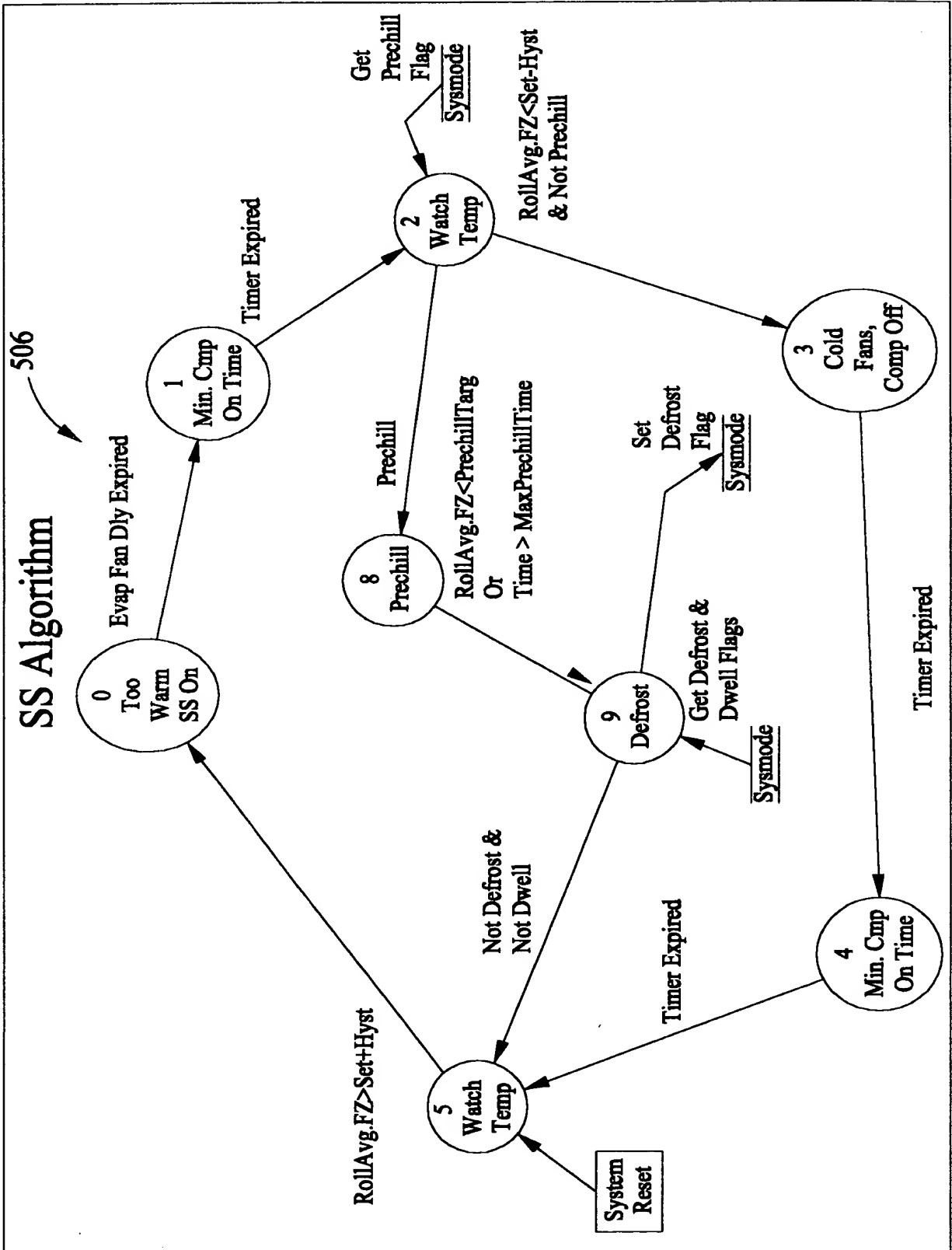
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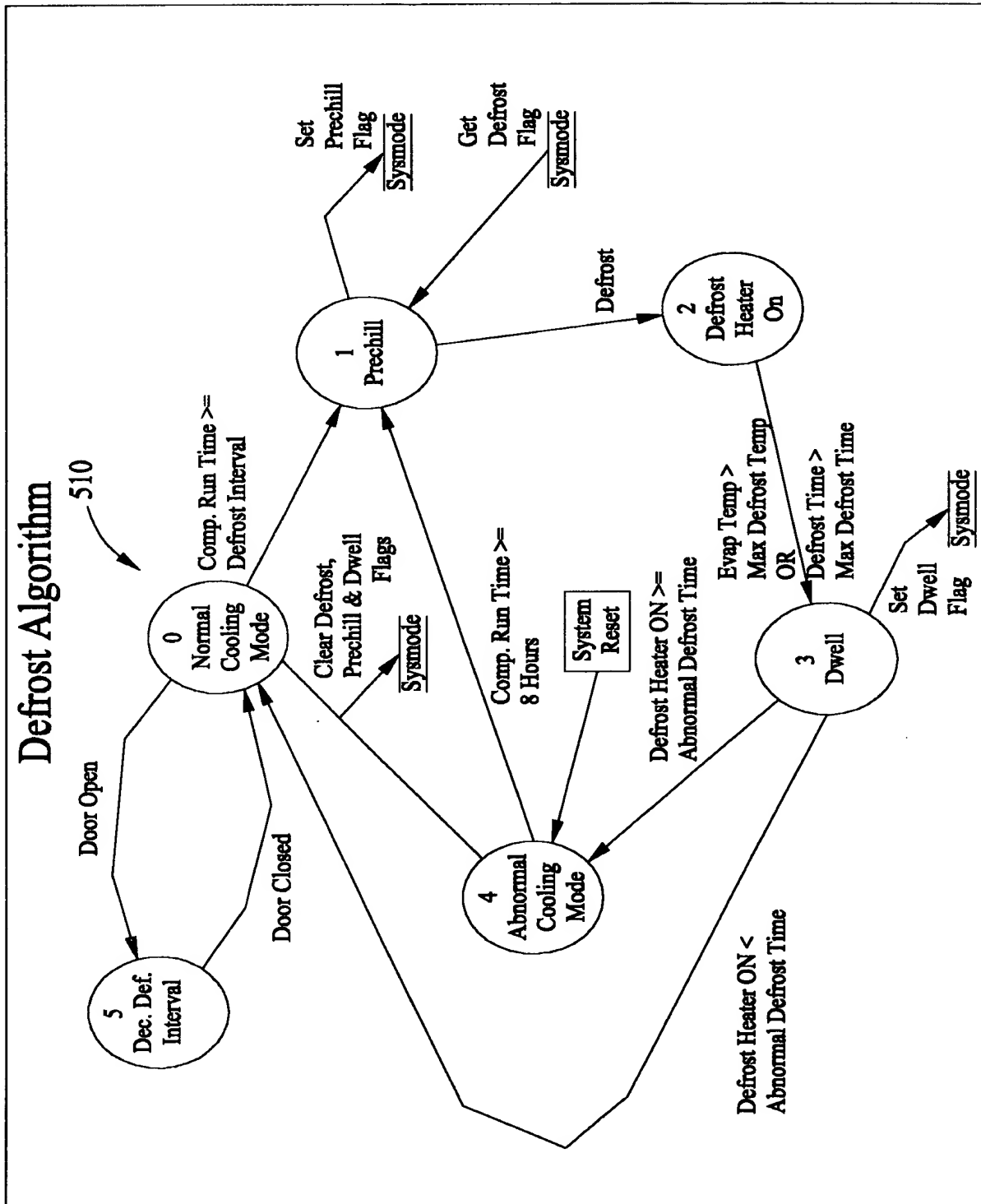
Sealed System Operational Algorithm

FIG. 31



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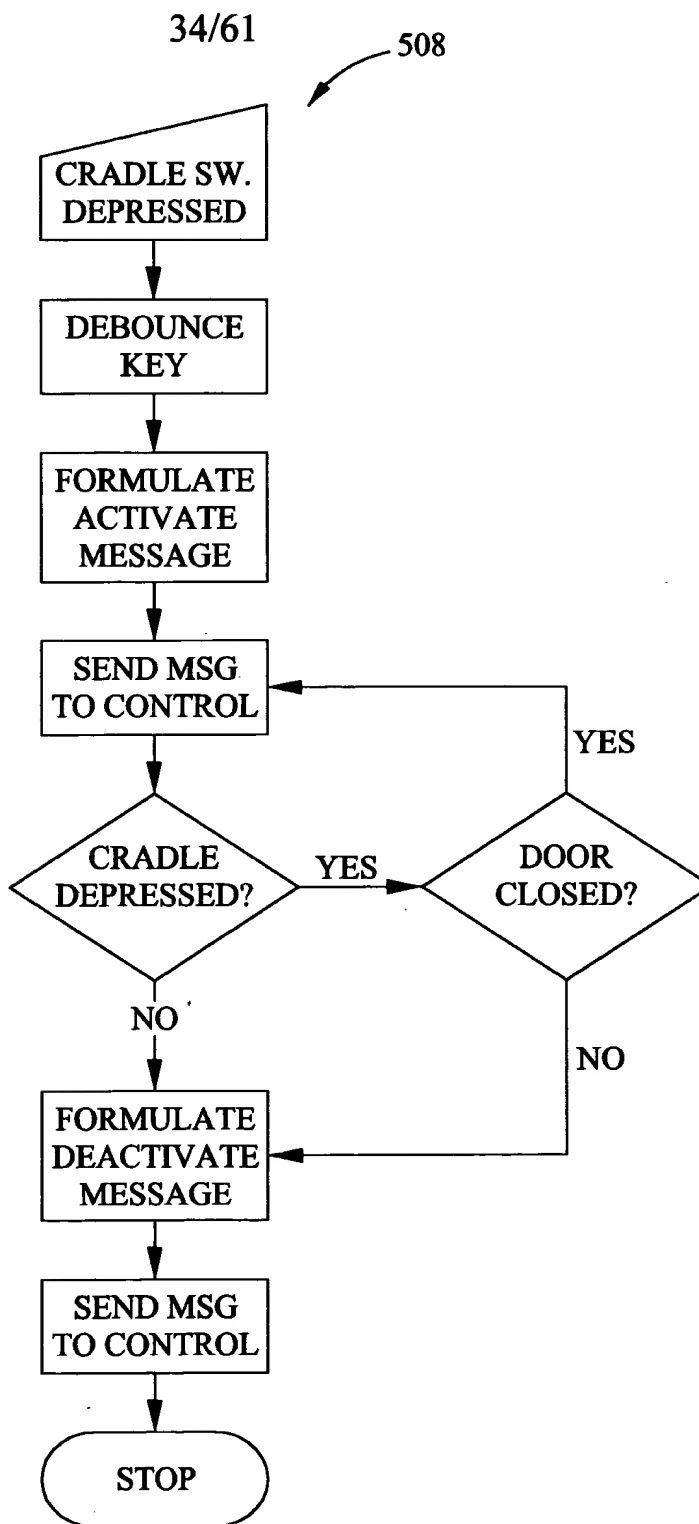
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Defrost Control State Diagram

FIG. 33

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Q.G. FIG.	CLASS	SUBCLASS

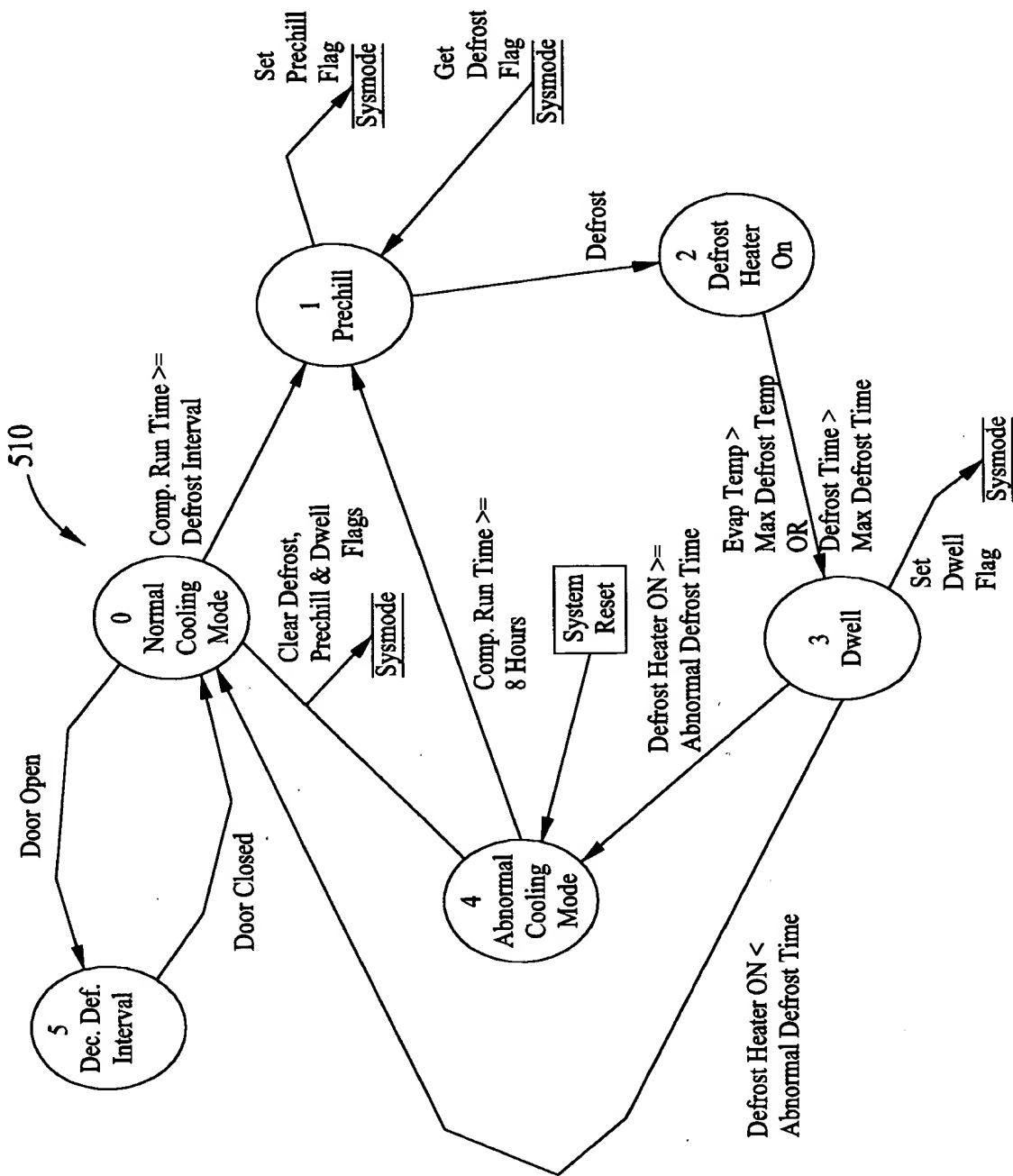


Dispenser Control Algorithm

FIG. 32

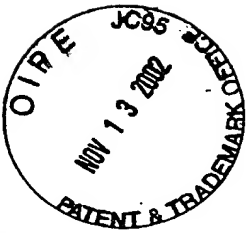
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Defrost Algorithm



Defrost Control State Diagram

FIG. 33



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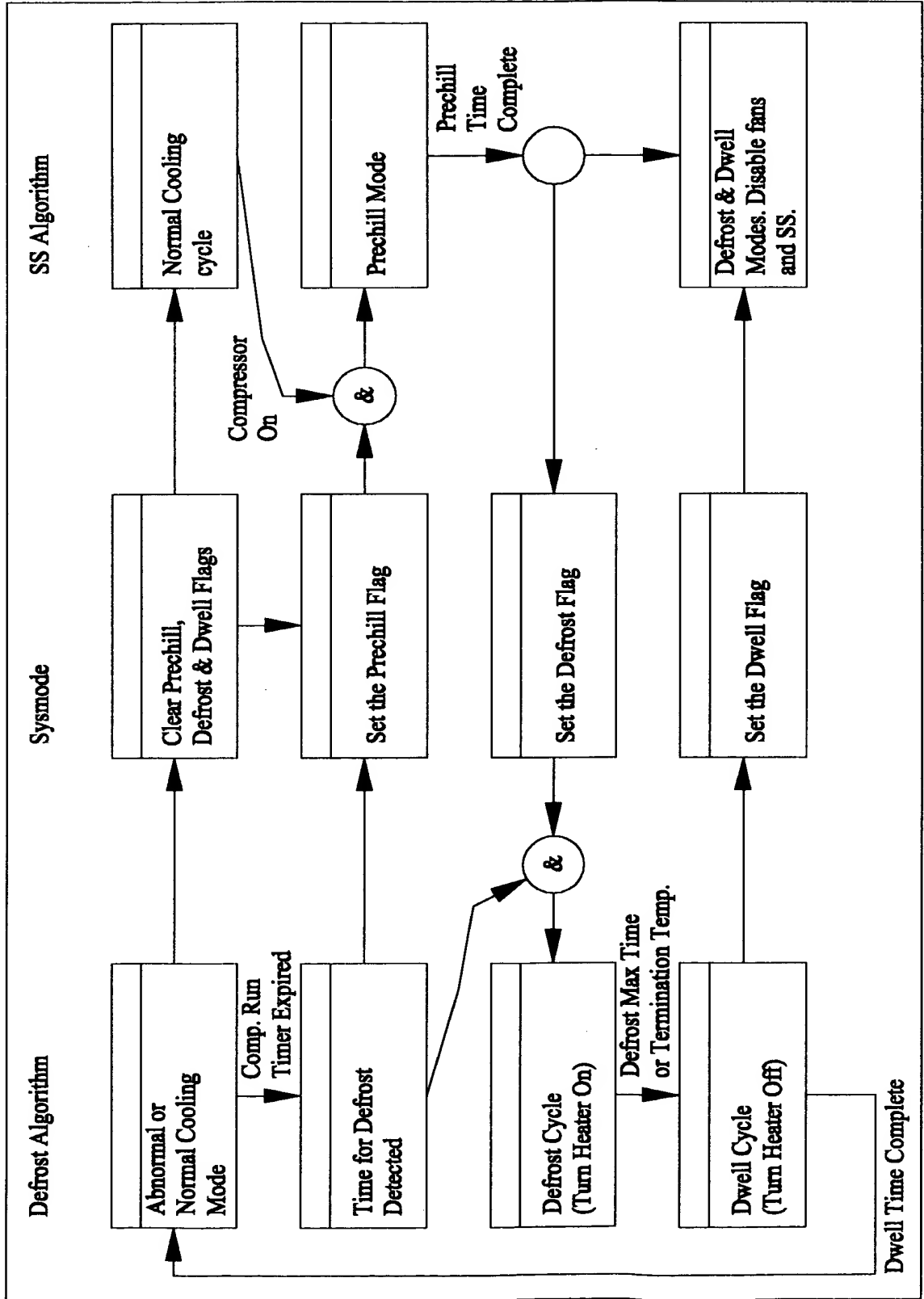
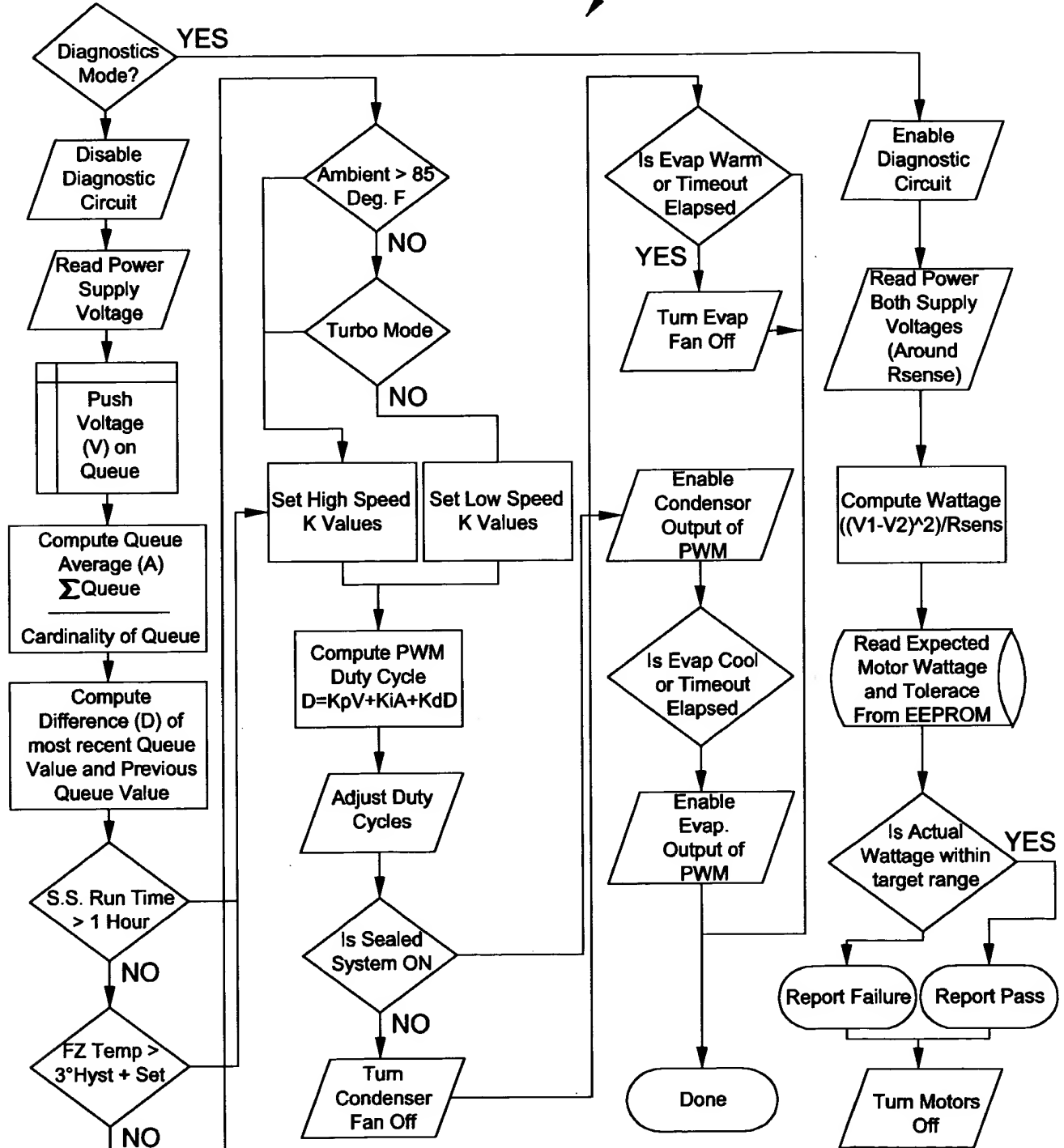


FIG. 34

Evap. & Cond.Fan Control:

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-514

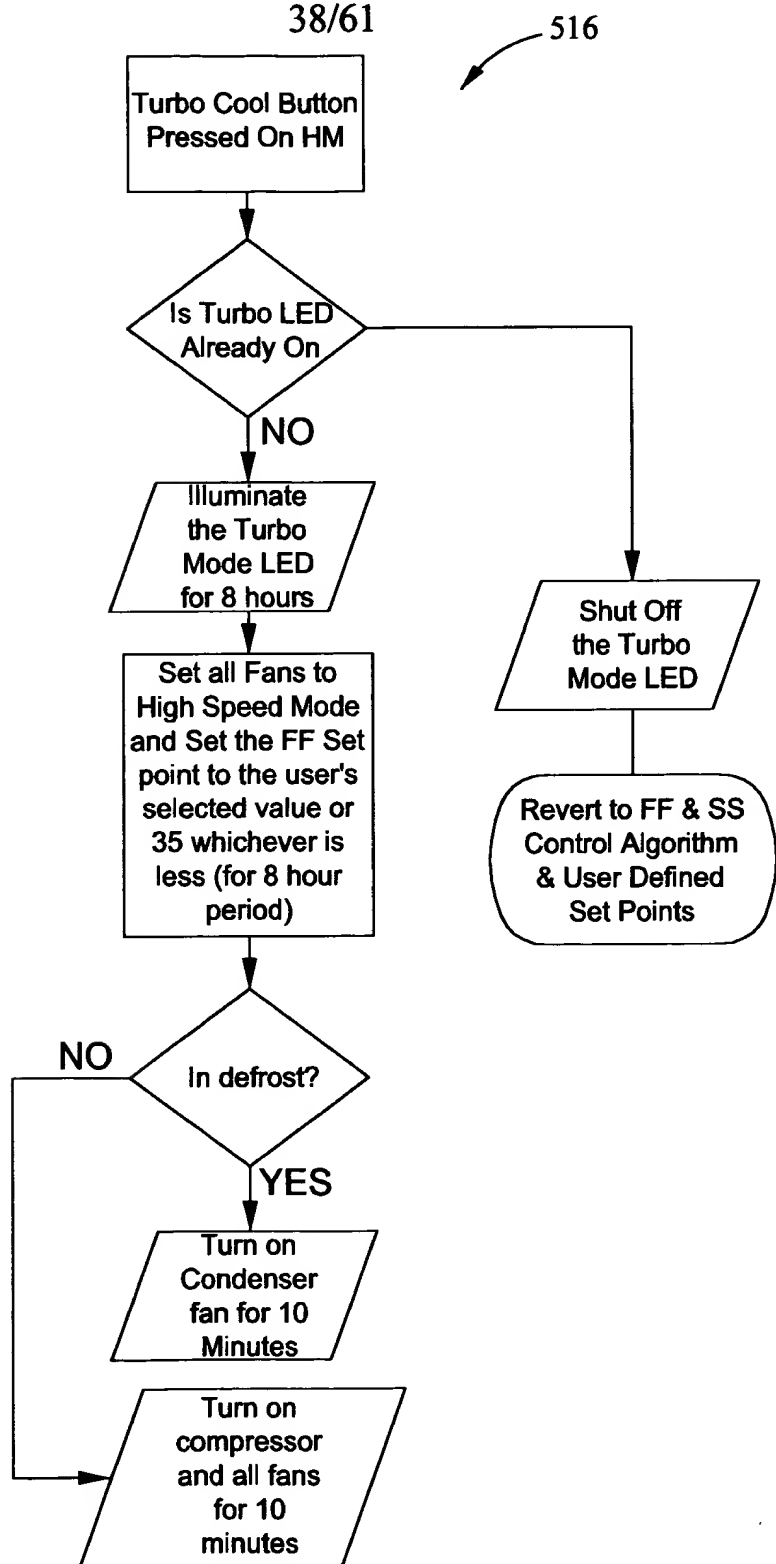


Fan Speed Control

- Notes:**
1. The FF & Evaporator fans will shut off for the first five minutes that the door is open
 2. Only one fan at a time can be on at a time during diagnostics.
 3. Once the fan has been switched to high speed, it remains in that state until the operational cycle is complete.

FIG. 35

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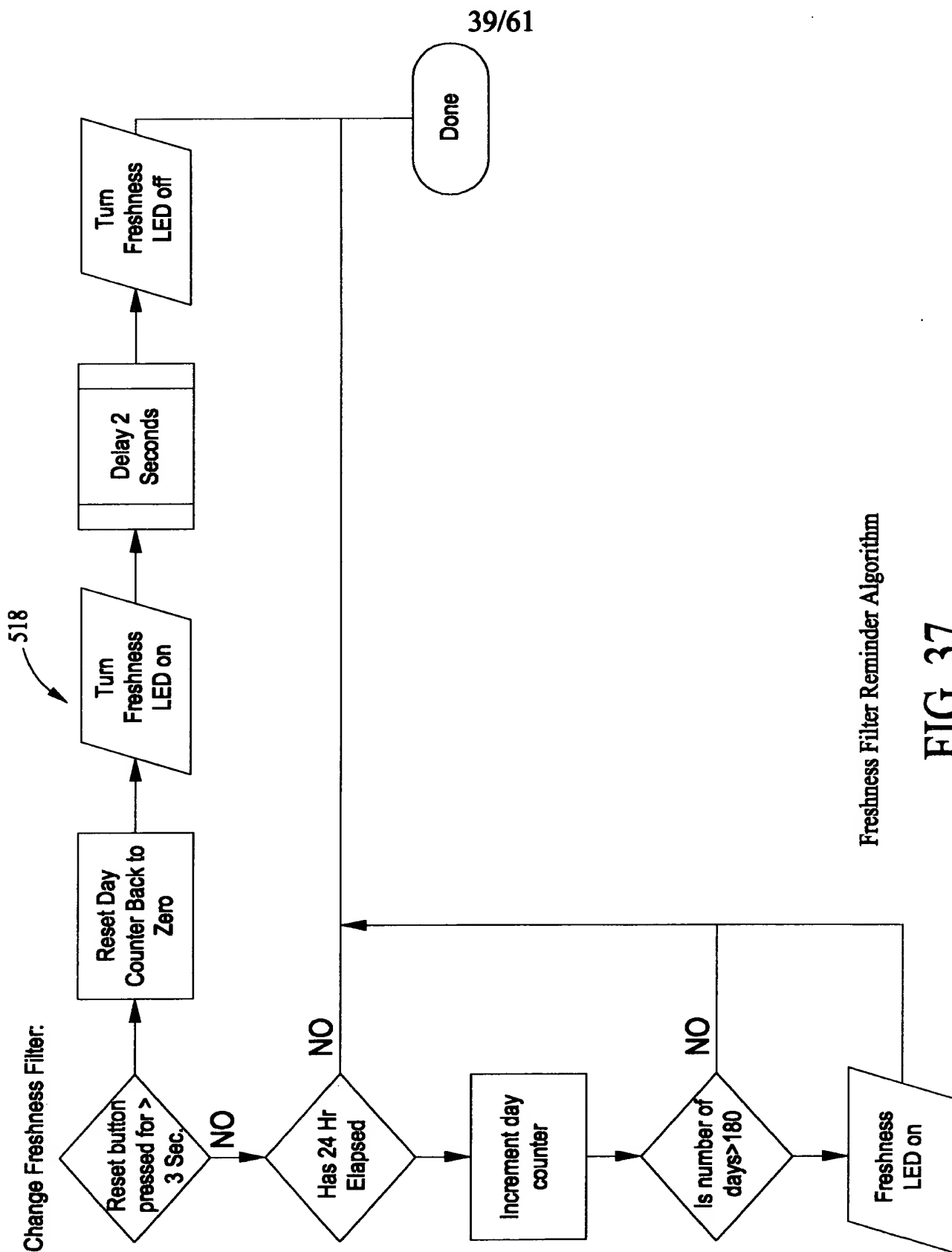


Turbo Cycle Algorithm

FIG. 36



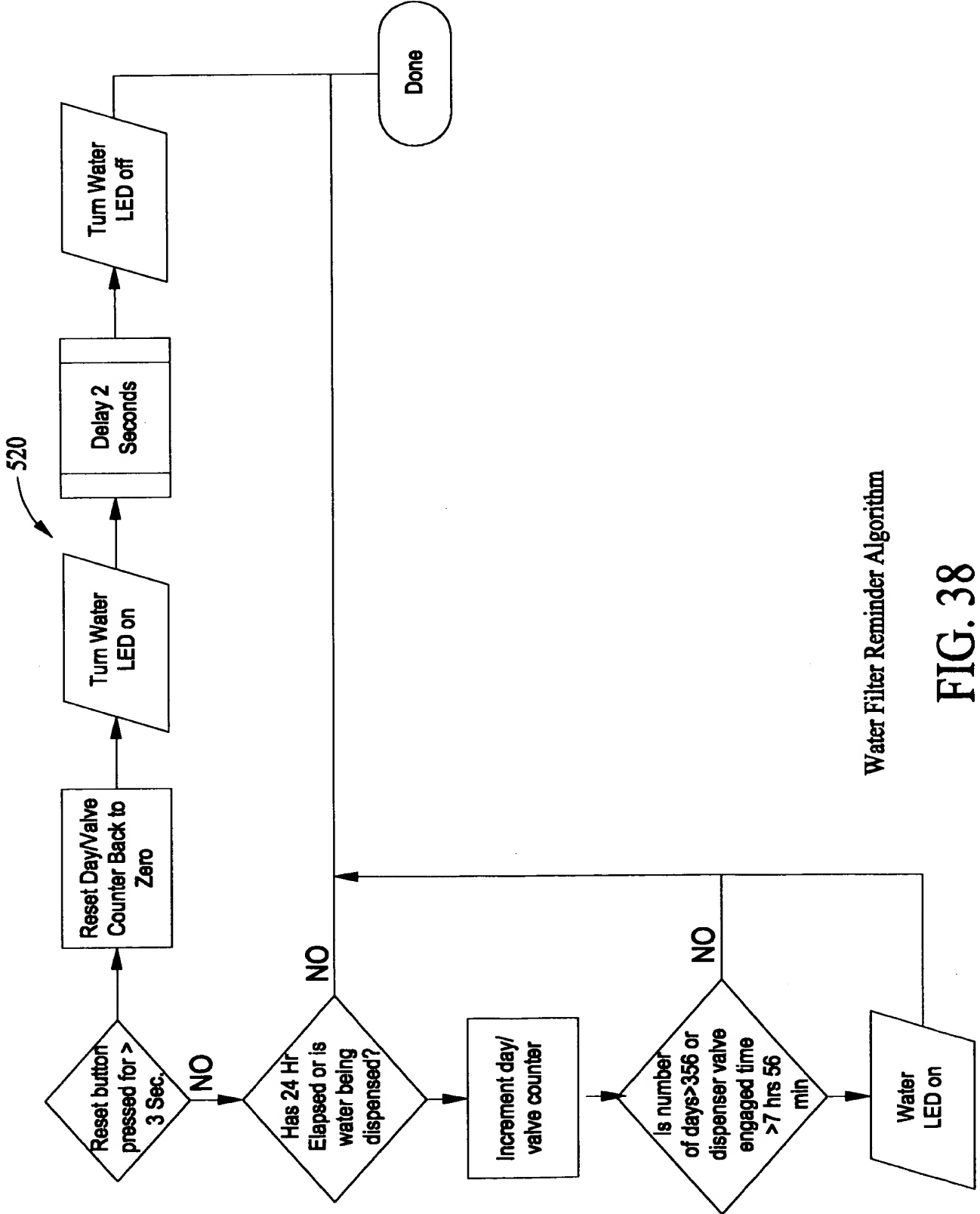
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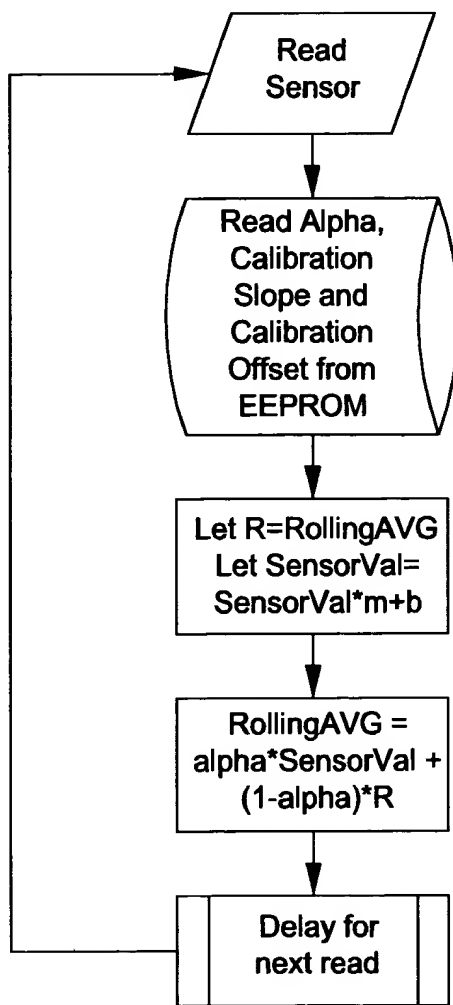


Water Filter Reminder Algorithm

FIG. 38

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 SENSOR READ AND ROLLING AVERAGE ALGO: 522



NOTE:
 Sensor Reading Algorithm
 Fresh food average uses this algorithm twice to create a 2nd pole filter.

FIG. 39

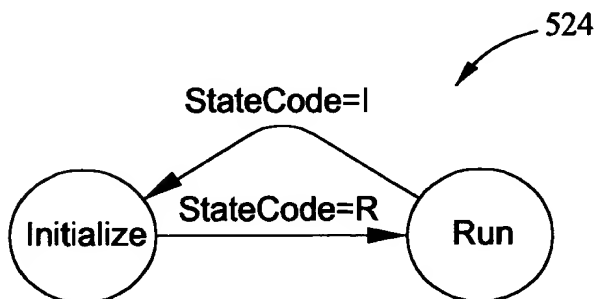


FIG. 40

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FIG 41B

TO FIG 41A

Reset

Init

Main

Update Rolling Avg

FF Speed & Control

FF Light

Defrost

Sealed System

Dispenser

Update Fan Speeds

Update Timers

State/Code

Sensor #

Value

Apply Calibration Constants & Linearize

Sensor #

A/D Cnts

Read Sensor

Rolling Avg Buffer

Set/Clr Command

Pointer to Device List

I/O Drivers (Disable Interrupts)

Disperser Ctrl

Fan Status/Ctrl

Defrost Timer

FF Door Open Timer

Dispenser Time Out

Sealed Sys OFF Time

Sealed Sys ON Time

FZ Door Open Time

Timer Status Reg

Daily Rollover

Quick Chill

LEGEND

Normal Operation

Initialization Only

526

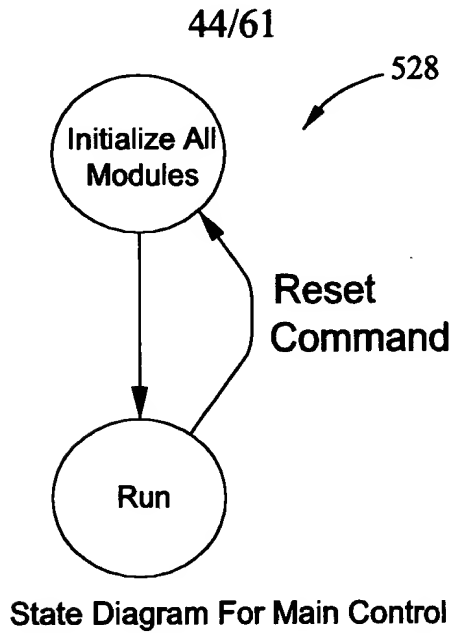
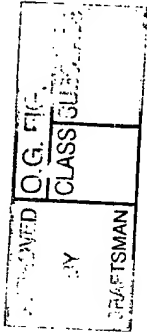


FIG. 42

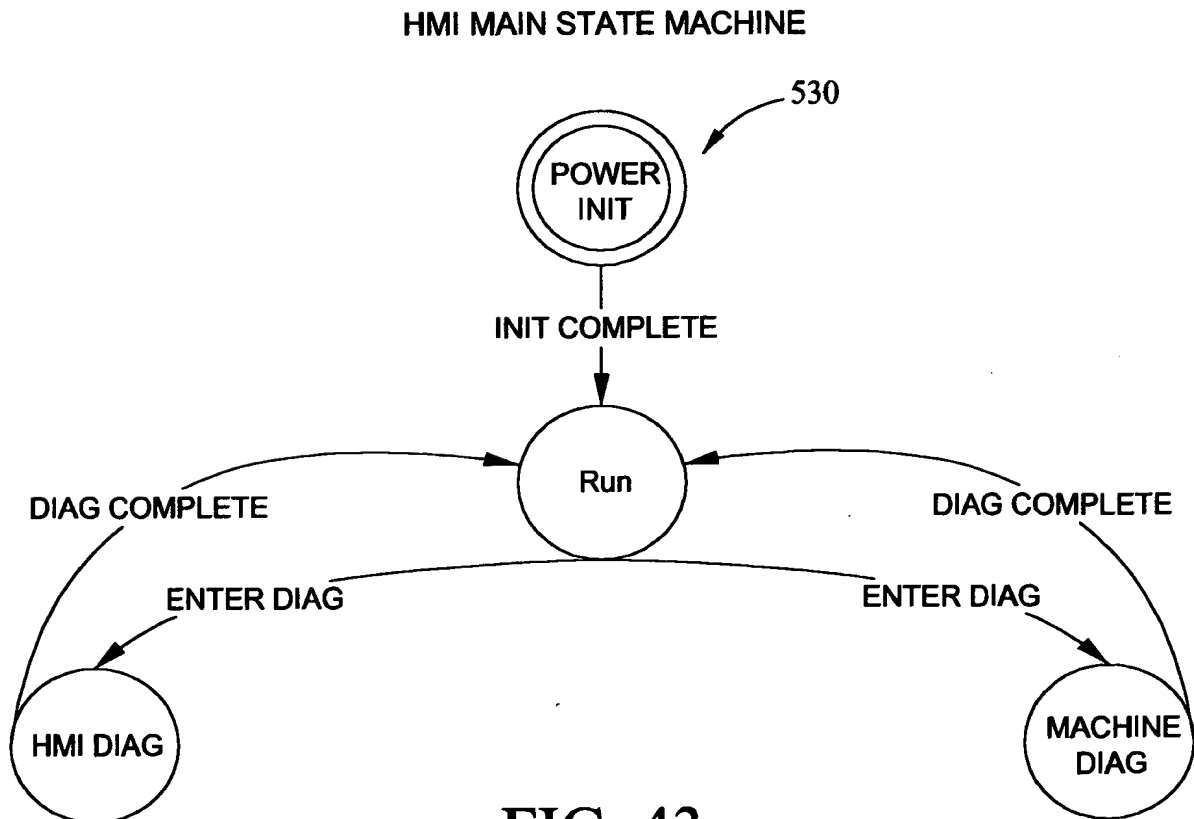
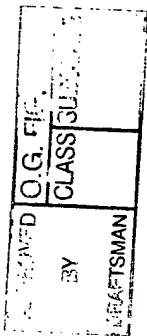
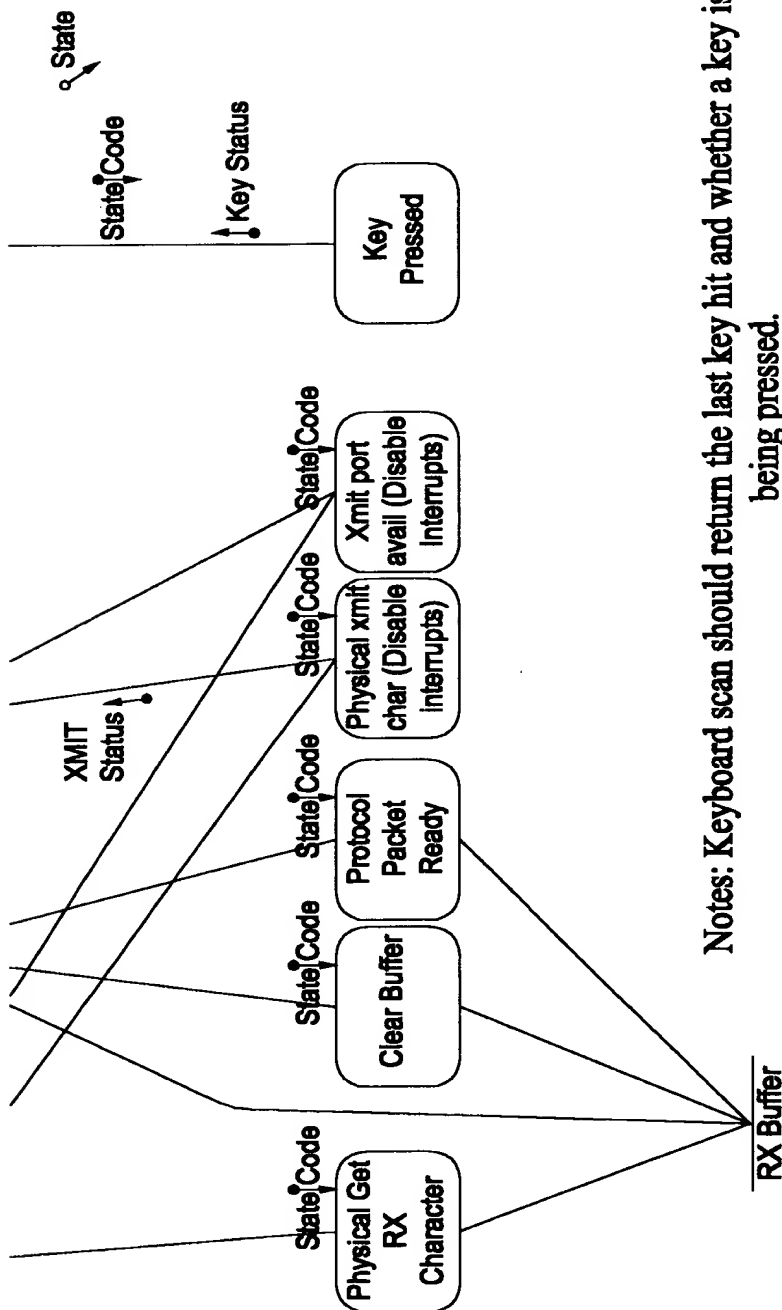


FIG. 43



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TO FIG 44A

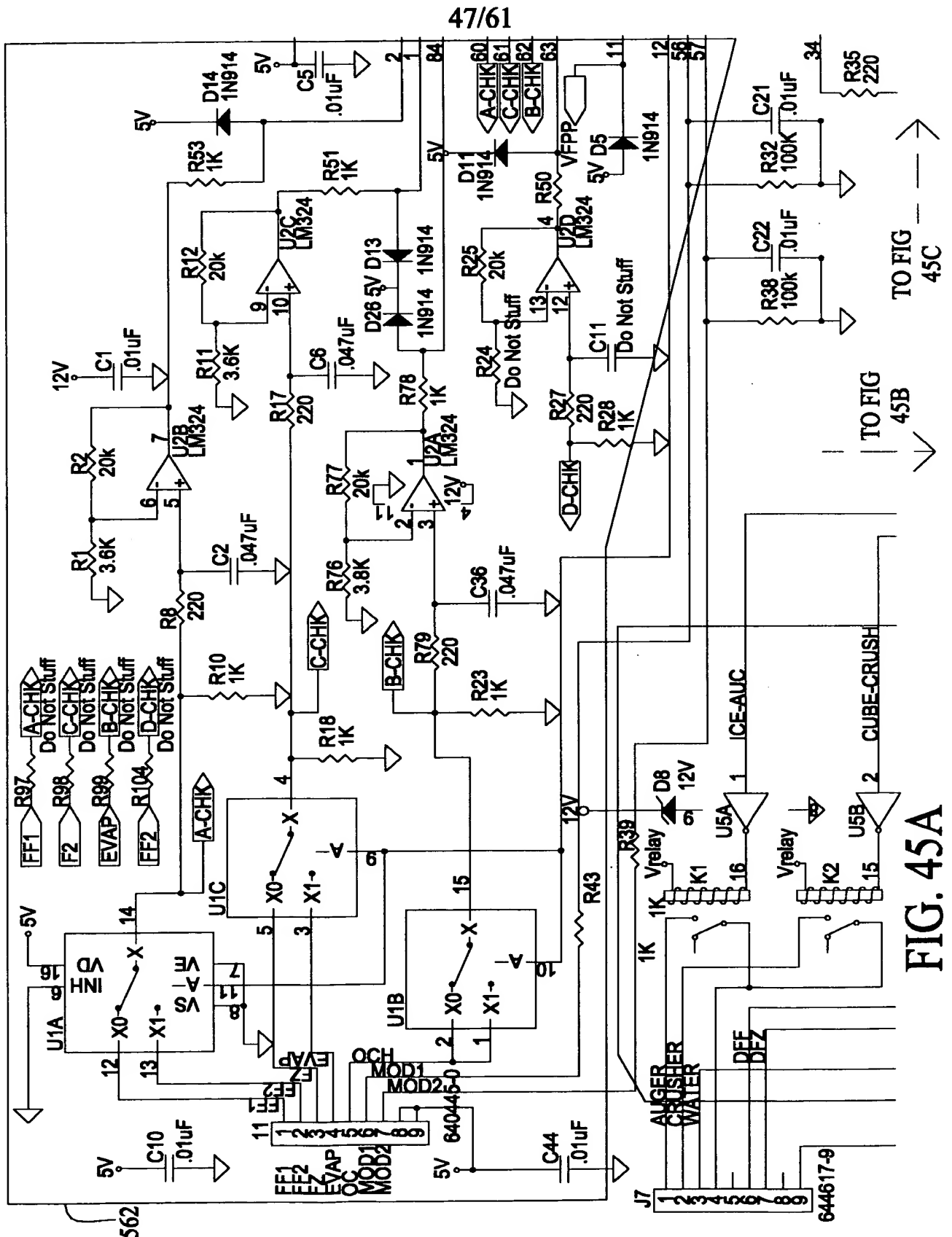


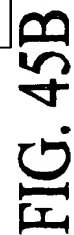
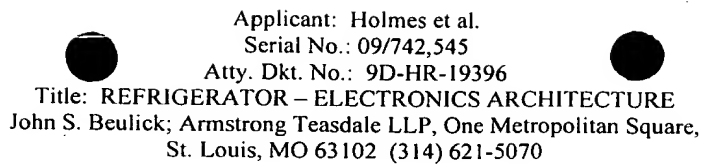
Notes: Keyboard scan should return the last key hit and whether a key is presently being pressed.
Calls Stack Depth: Main->Diag->KeyPressed->Cccom Interrupt->Physical get character

FIG. 44B



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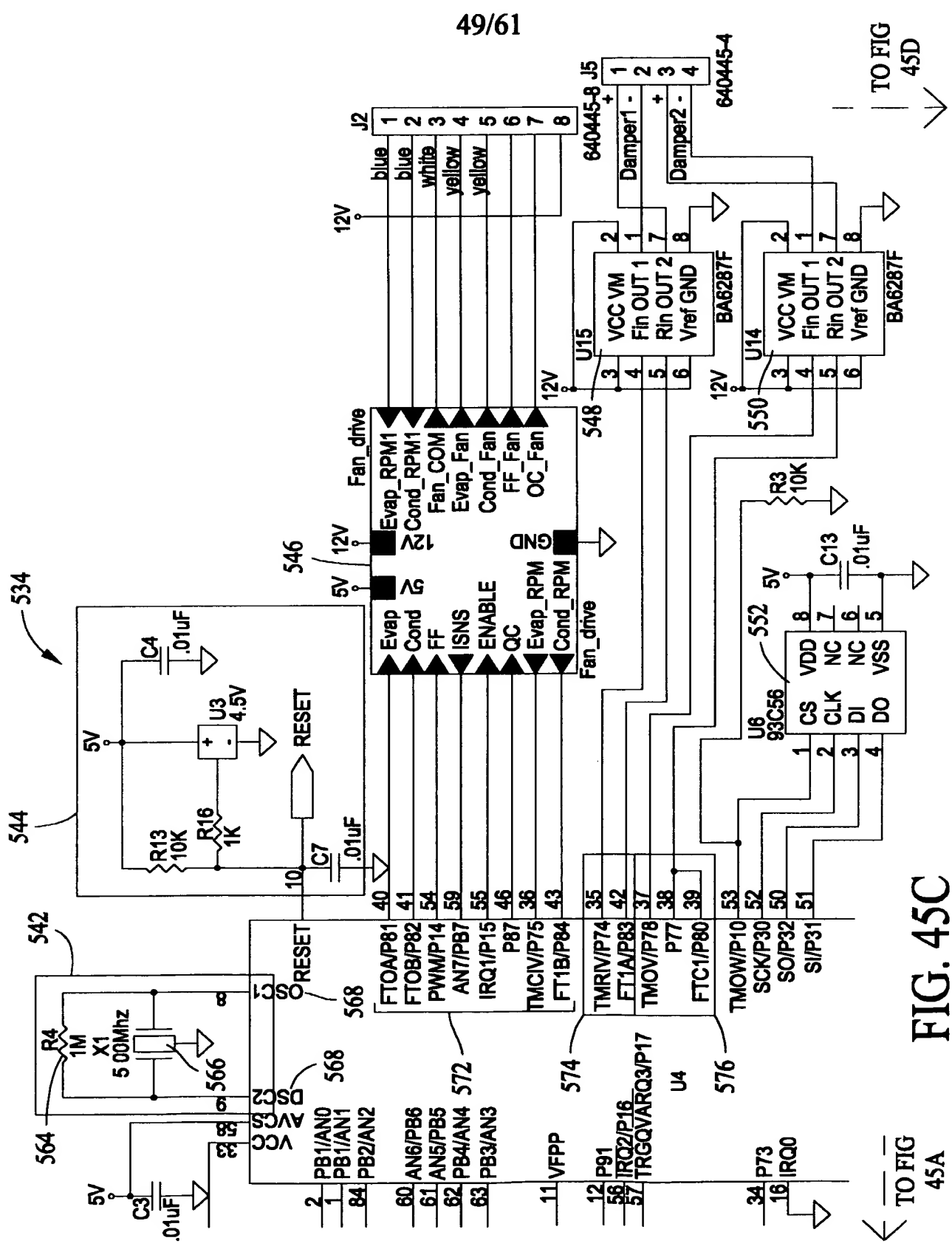
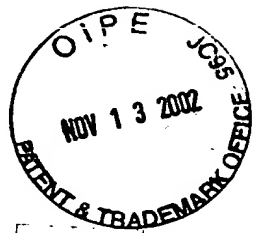


FIG. 45C

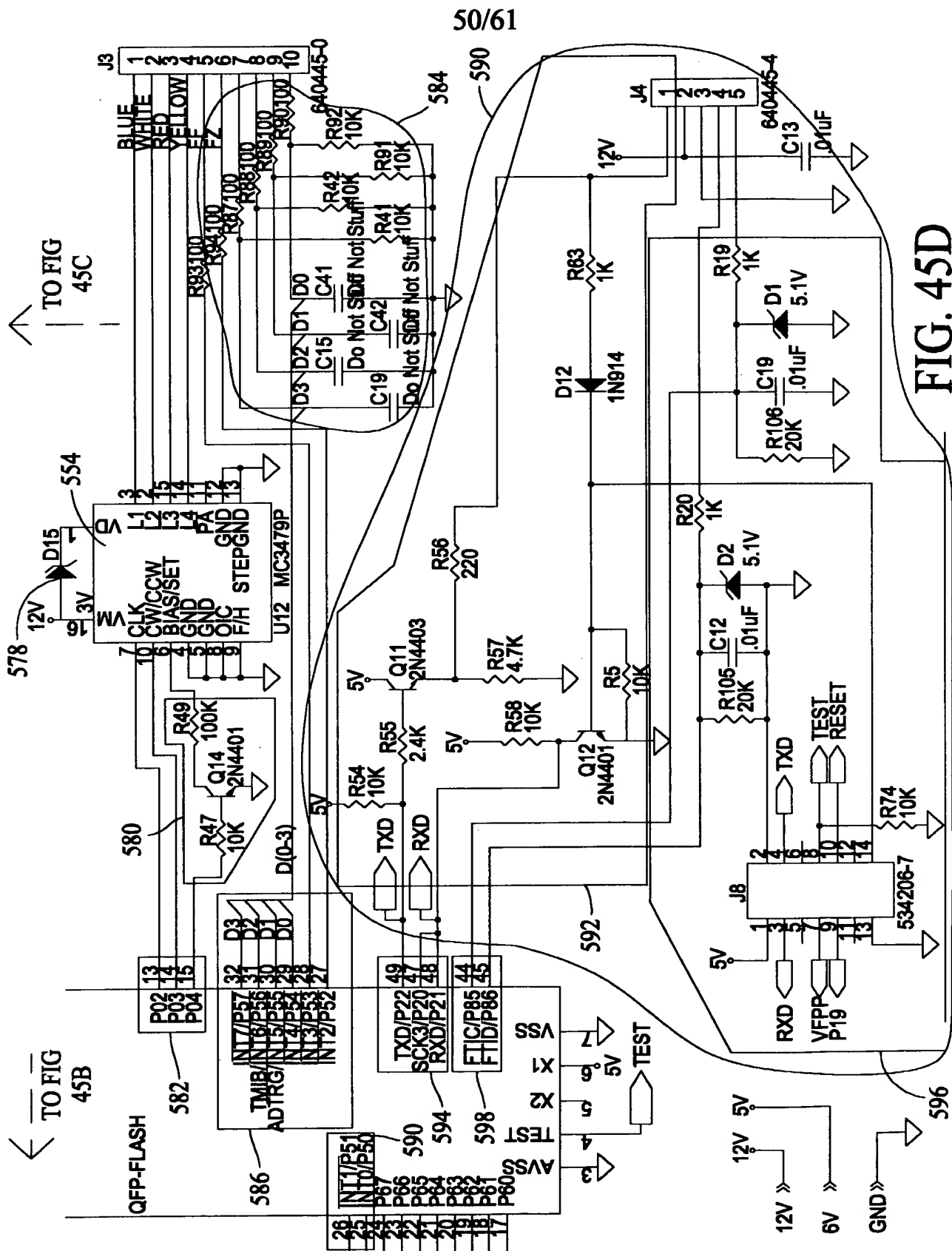
TO FIG 45D

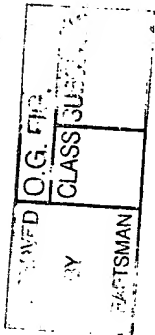
TO FIG 45A



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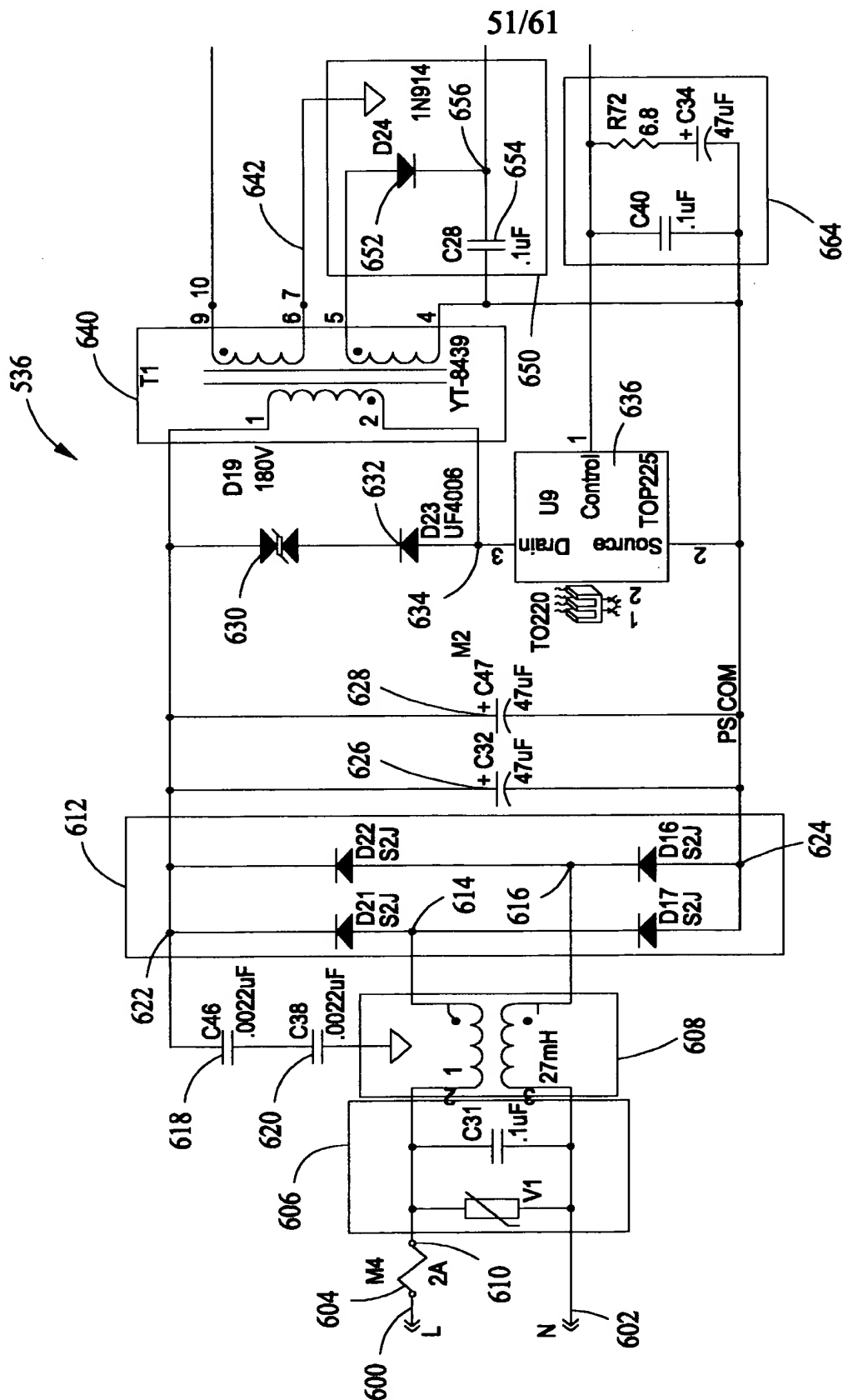
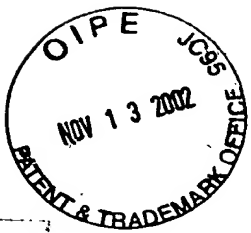


FIG. 45E



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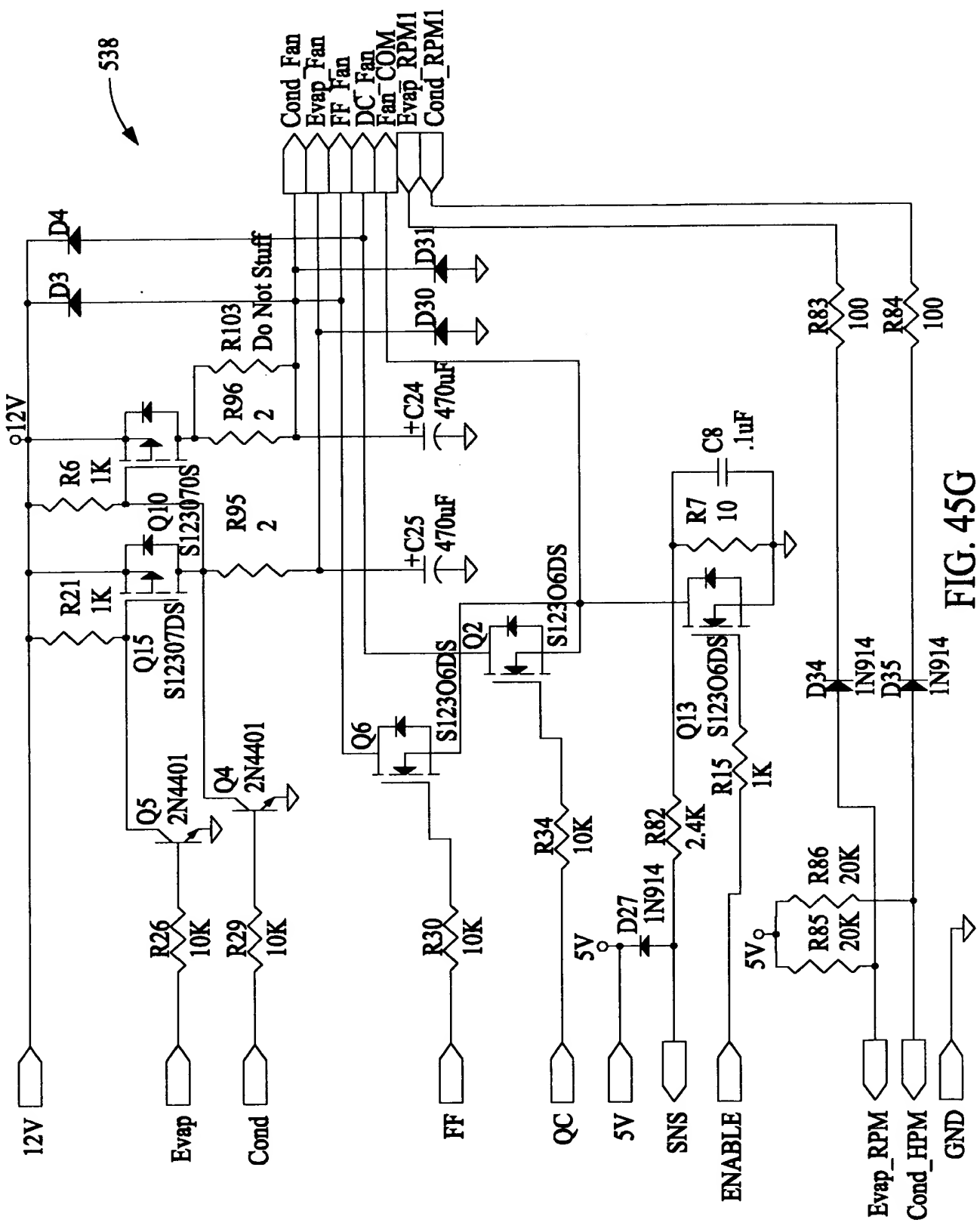
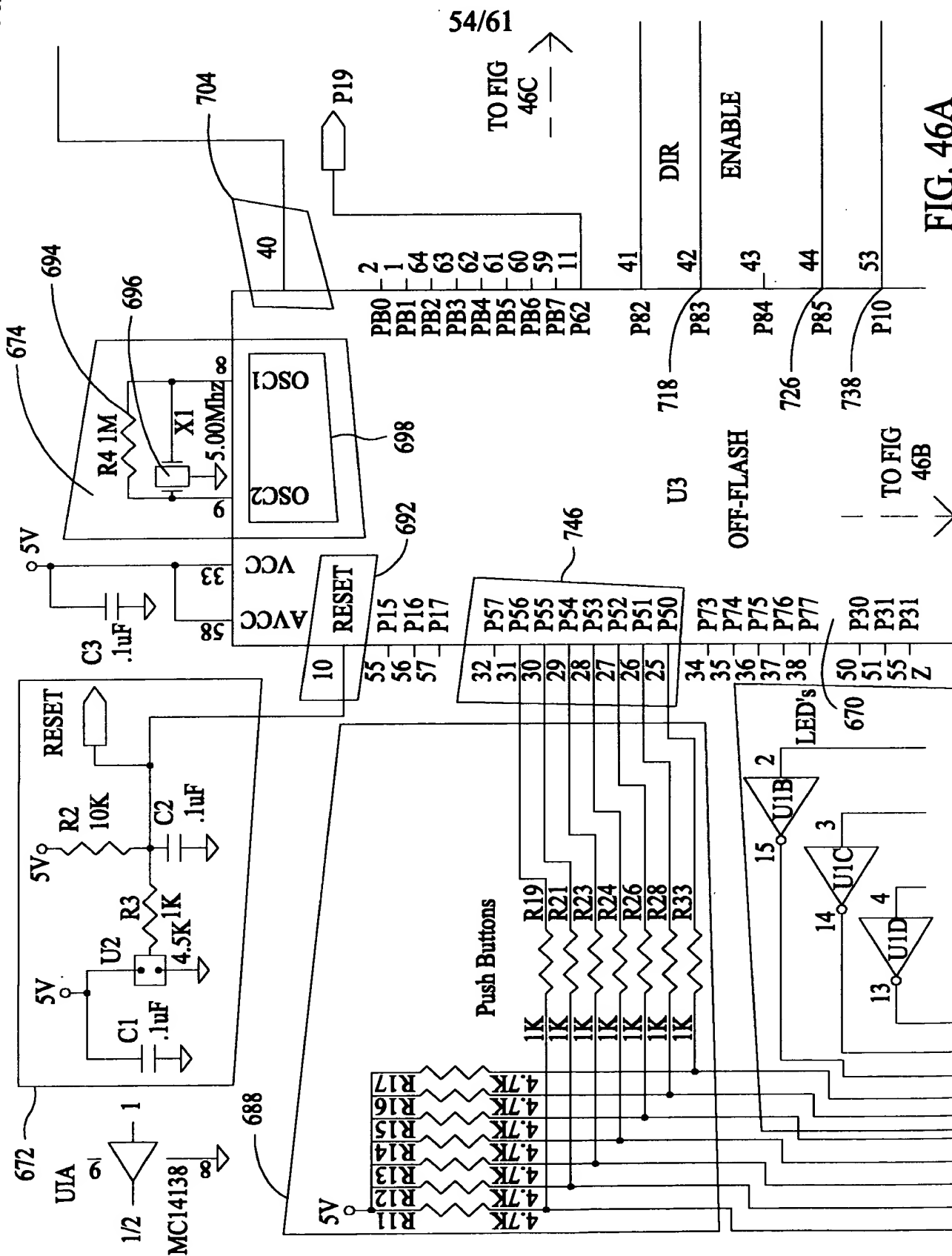
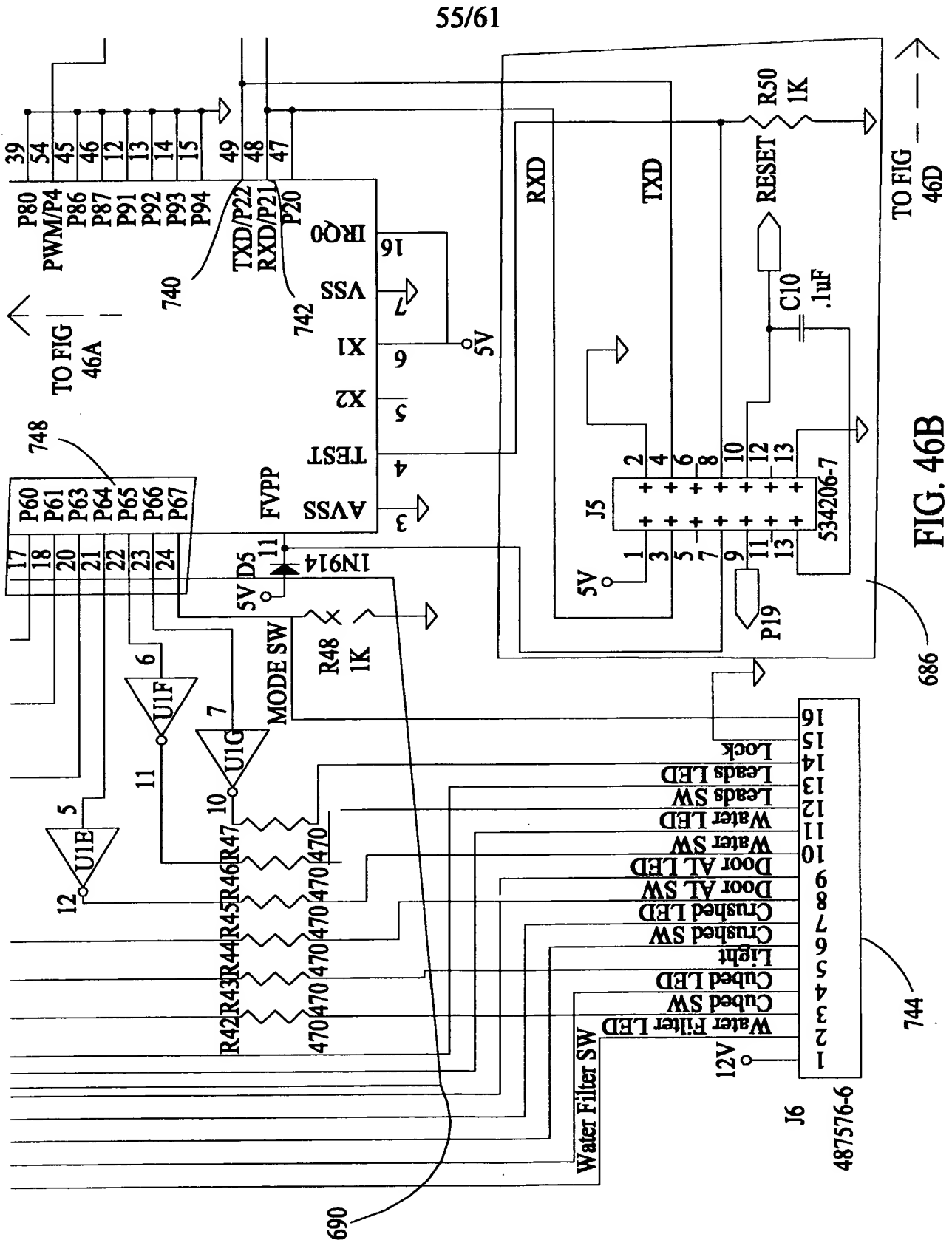


FIG. 45G





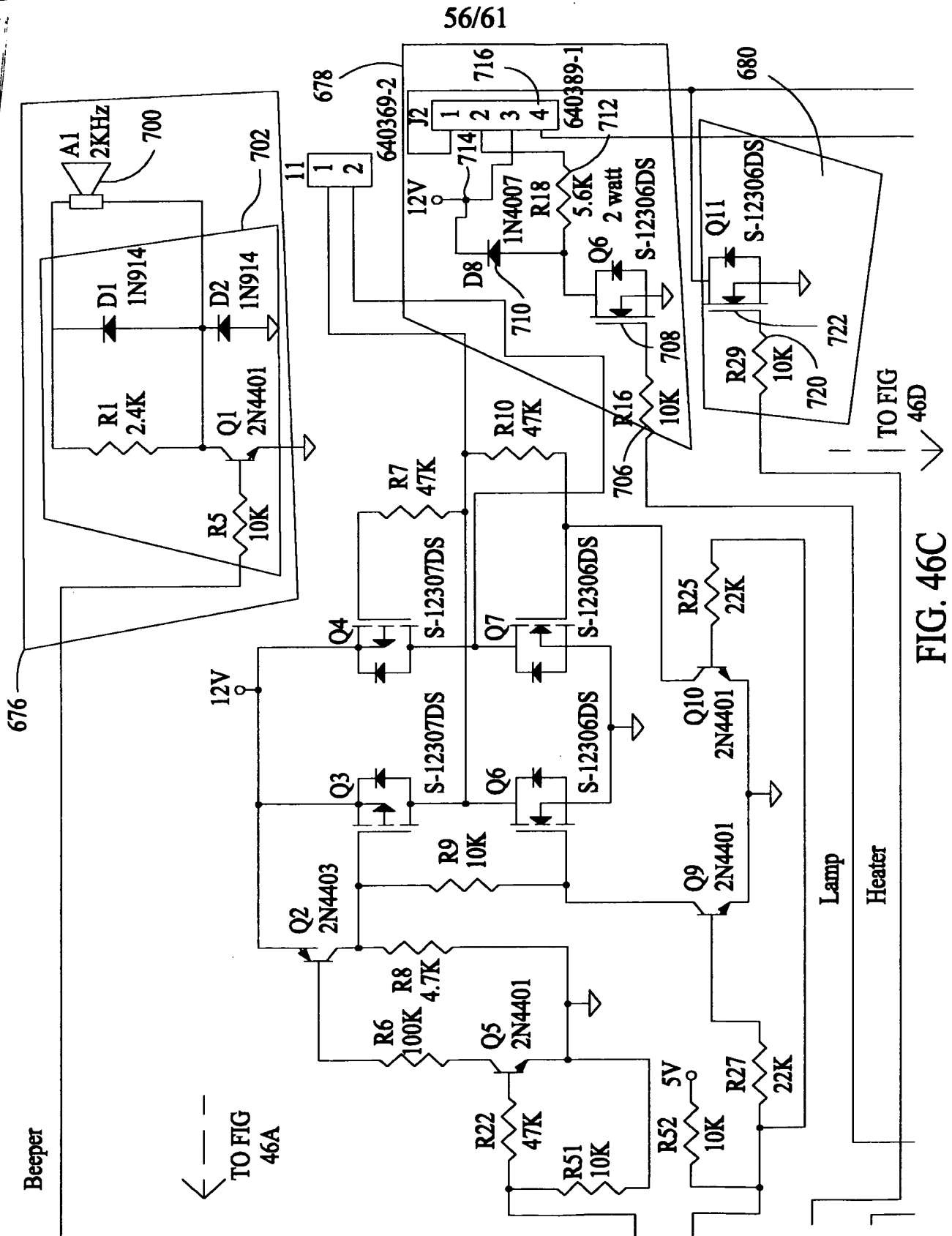
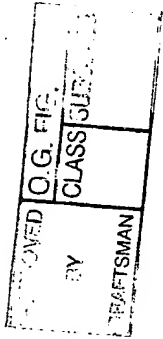
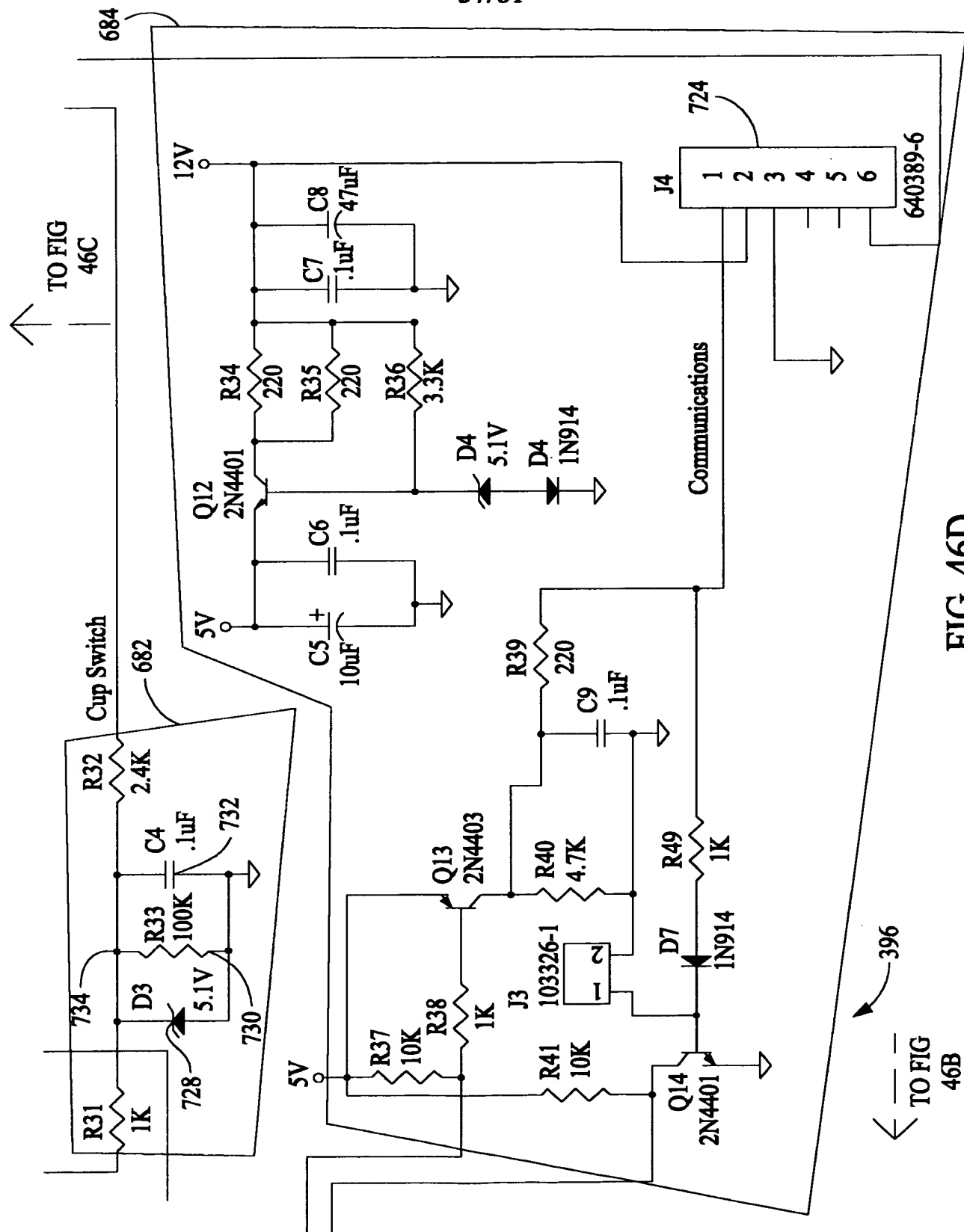


FIG. 46C

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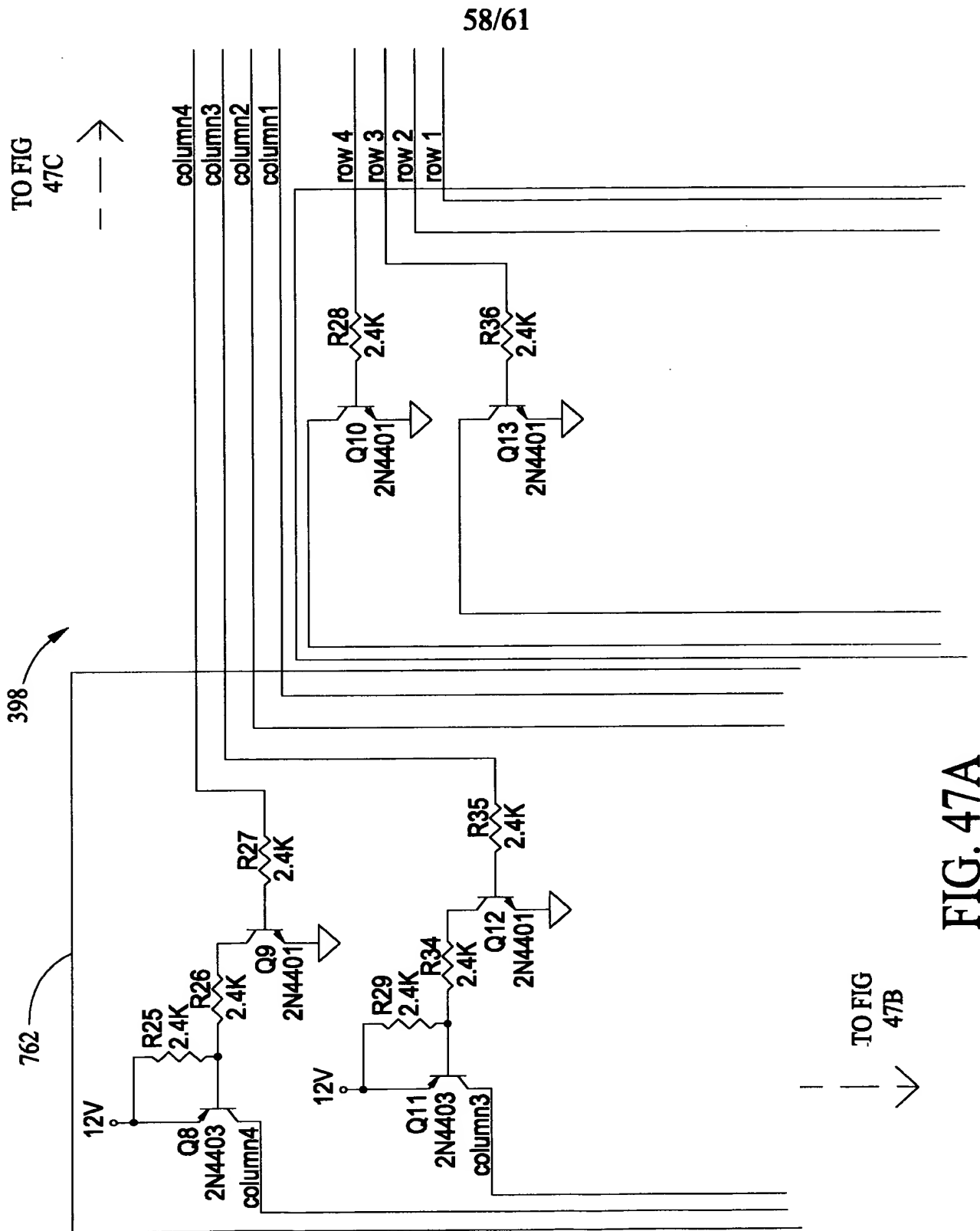
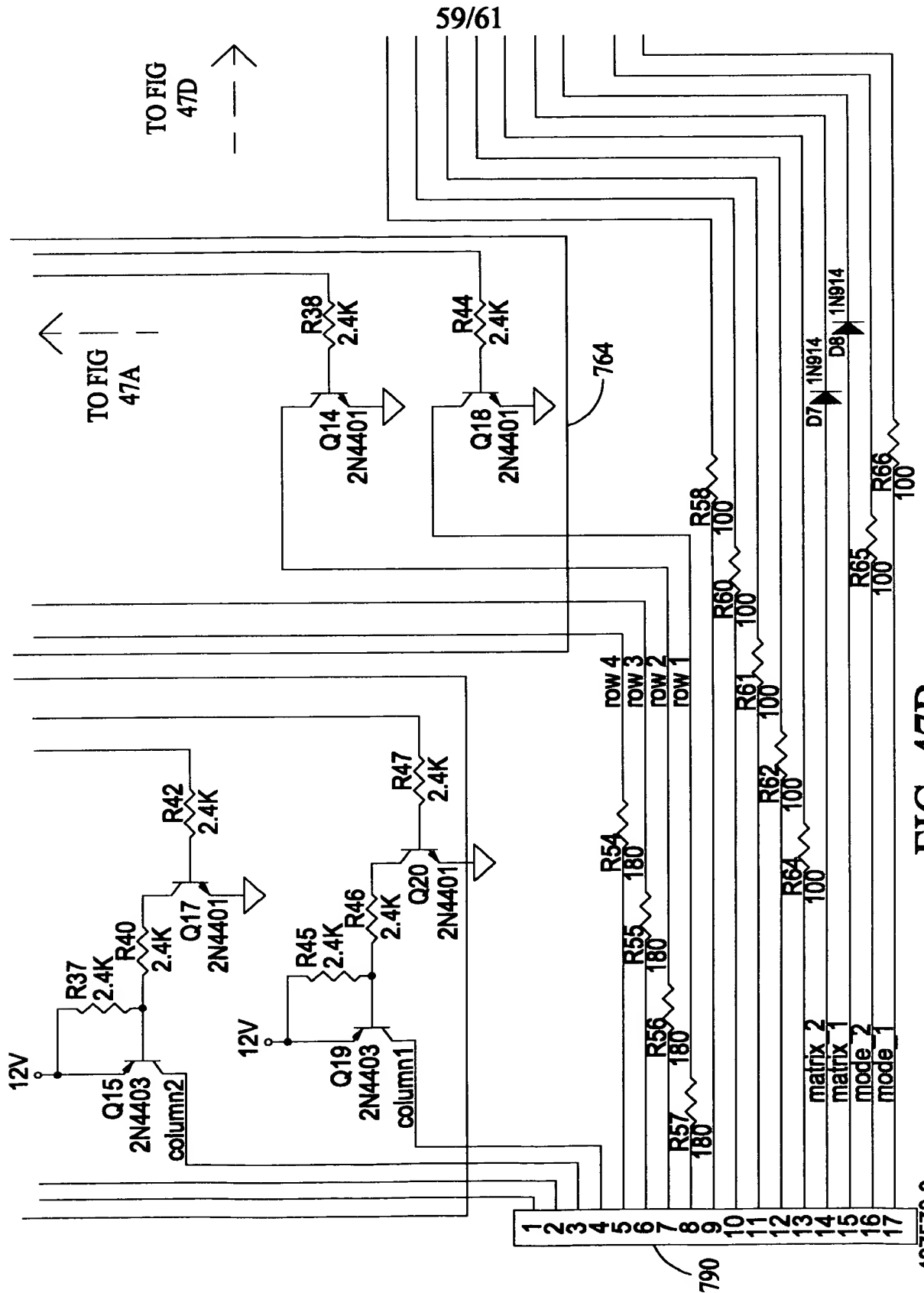


FIG. 47A



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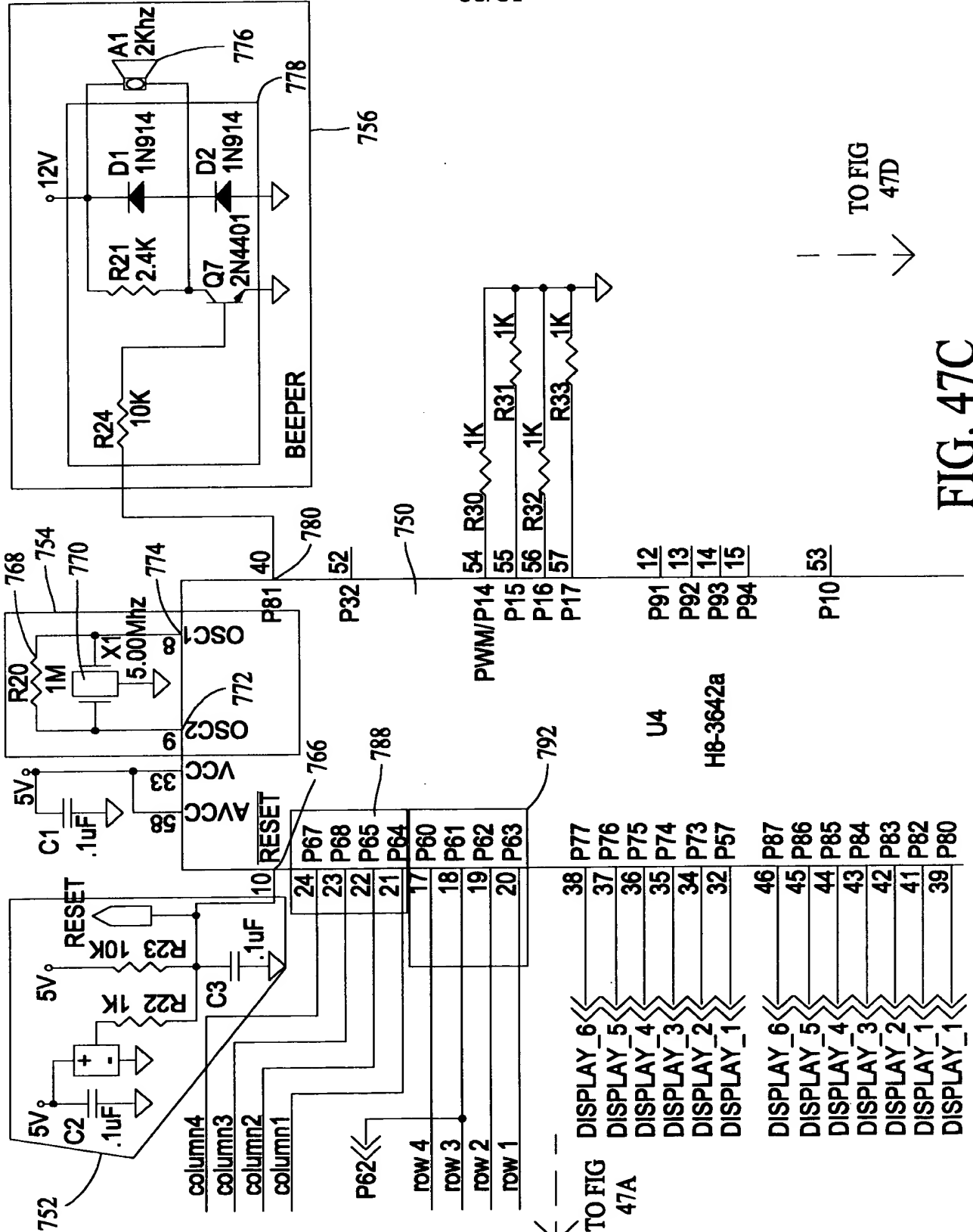


FIG. 47C



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